

LAWRENCE BROTHERS INC.

STERLING

ILLINOIS



BUILDERS HARDWARE

CATALOGUE NUMBER 1-30



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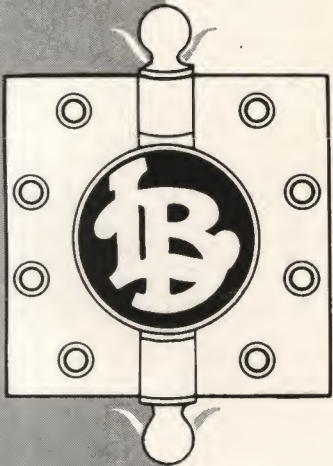
NAME	RANK	COMPANY	REGIMENT	BRANCH	DATE OF DEATH	PLACE OF DEATH
ALLEN, JOHN	Private	1st	1st	Infantry	1917	France
BROWN, JAMES	Private	2nd	2nd	Infantry	1917	France
SMITH, ROBERT	Private	3rd	3rd	Infantry	1917	France
WILLIAMS, JOHN	Private	4th	4th	Infantry	1917	France
DAVIS, JOHN	Private	5th	5th	Infantry	1917	France
WILSON, JOHN	Private	6th	6th	Infantry	1917	France
MOORE, JOHN	Private	7th	7th	Infantry	1917	France
JOHNSON, JOHN	Private	8th	8th	Infantry	1917	France
WALKER, JOHN	Private	9th	9th	Infantry	1917	France
YOUNG, JOHN	Private	10th	10th	Infantry	1917	France

LAWRENCE BROTHERS INC.

S T E R L I N G

I L L I N O I S

Good Hardware Since 1876



THIS IS CATALOG NUMBER TWENTY



FOREWORD

It is our constant endeavor to provide goods of quality to meet conditions of durability and fine appearance.

Many new items are described in this catalog, which with our already extensive line enables us to offer the widest range of quality hardware in the field.

All illustrations are correct, and complete details are given for every item. We believe you will find it most convenient to use.

In this catalog we are introducing our new standard carton packing, of which we are especially proud. We present to you an easily handled, readily identified packaging that you will find of much convenience.

We wish to express our appreciation of the part our trade has played in making our past operations successful, and we pledge our continued efforts to give you a quality product and dependable service.

Numerical Index

Item Number	Page Number
000-3 Brt. Wire Screw Eyes	287
0-14 Brt. Wire Screw Hooks	284-285
1-2 Cleveland Hangers	246
4-16 Brt. Wire Screw Eyes	288-289
6½-16½ Brt. Wire Screw Eyes	290-291
20	248
20½	249
22	252
22S	252
22½	252
22½S	252
22½T	222
SC23	279
24½	252
24½S	252
26	279
SC27	280
27½	280
SC28	280
28½	280
30-35	207
30N	221
30N3	225
30N4	229
30N6	236
30T2-3066	237
30T3-3066	237
30X	223
30½	220
30½LB	220
31X	223
32	213, 215, 219
32LB	215
32-1L	215
33	239, 241
34	240-241
35	209
36	243
39	211
40 Brt. Wire Gate Hooks and Eyes	282
40 Hanger	245
41A Hanger	222
41A Set	264
41A301 Brackets	217
41A3000 Brackets	232
41A3000 Hanger	233
41A3000 Set	261
41B	265
41E	222
41E3000	232
41E3066	237
41T	222
41T3000	232
42A Hanger	222
42A Set	266
42A3000 Hanger	233
42A3000 Set	262
47	258
47T	259
48	256
48½	257
48½T	259
50B	254-255
51 Hanger	247
51 Set	269
51B	270
52 Hanger	247
52 Set	271
55	269
61 Hanger	247
61 Set	275
61S	247
62	273

Item Number	Page Number
62-3000 Hanger	233
62-3000 Set	272
62X3000	233
63 Hanger	223
63 Set	274
63X	223
71A	263
71A3000	260
75	246
76	246
91A	267
92A	268
97	198
98	195
99	195
SC100	162
102	244
102-C	244
104-114½ Brt. Wire Square Screw Hooks	286
104-116 Brt. Wire Screw Eyes	288-289
SC103	187
SC104	186
SC104½	188
SC105	189
106½-116½ Brt. Wire Screw Eyes	290-291
107	195
SC109	190
110	196
111	196
112	196
SC113	194
SC113½	199
SC114	199
SC114½	199
SC115	194
SC116	111
SC117	162
118	163
SC118	163
119	164
SC119	164
SC119-A	164
121	167
SC121-CD	167
SC122	202
SC122½	202
SC123	203
SC125	120
SC125½	129
126	198
127	144
127-A	144
SC127	144
SC127-A	144
128	161
129	159
130	159
130½-CD	160
131	160
132	160
SC133	102
SC134	102
SC134-A	102
SC136	102
SC136-A	102
SC137	150
SC138	145
M139	151
R139	151
S139	151
SC139	151
140 Zinc Plated Gate Hook and Eye	282

Item Number	Page Number
SC140 Hinges	94
142	153
142-A	153
143	146
143-A	146
SC145	154
SC146	155
SC147	278
147½	276
SC149	141
SC153	142
SC154½	142
B155	133
SC155	133
SC155½	133
B156	134
SC156	134
SC156½	134
SC158	143
B159	135
SC159	135
SC159½	135
B163	136
SC163	136
SC163½	136
B164	137
SC164	137
SC164½	137
B165	138
B165-A	138
SC165	138
SC165-A	138
SC165½	138
SC165½-A	138
B166	140
SC166	140
SC166½	140
B167	139
B167-A	139
SC167	139
SC167-A	139
SC167½	139
SC167½-A	139
H168	132
S168	132
SC168	132
SC169	145
U169	145
SC169½	143
171	118
SC171	118
SC171½	124
173	117
SC173	117
SC173½	123
SC174	144
SC174-A	144
176	277
SC181	118
SC181½	125
SC183	116
SC183½	121
SC185	116
SC185½	122
SC188	114
SC188-A	114
SC189	115
SC189-A	115
190	132
SC192	147
SC193	119
SC193½	126
SC194	119
SC194½	128

Item Number	Page Number	Item Number	Page Number	Item Number	Page Number
SC195	120	SC345	82, 92	SC941	175
SC195½	127	SC346	81	SC943	178
SC196	200	SC353	84	944	179
SC196½	200	SC364-P	80	946	179
SC197	201	SC366-P	81	SC949	176
SC198	201	SC400	113	SC952	156
199½	197	SC400-A	113	SC960	157
200	197	SC402	113, 249	SC980	151
201	198	SC402-A	113, 249	SC981	152
202	248	SC406	249	SC981-A	152
204-217 Brt. Wire Screw		415	146	SC983	152
Eyes	288-289	SC417	146	SC983-A	152
SC204	191	B419	165	SC986	158
206	108	DJ419	165	990	153
SC206	108	SC419	165	990U	153
206½-217½ Brt. Wire Screw		SC432	130	SC990	153
Eyes	290-291	SC432-A	130	U990	153
207	108	SC433	131	1002	287
SC207	108	SC433-A	131	1004-1016 Brass Wire Screw	
208	109	SC434	131	Eyes	288-289
SC208	109	SC434-A	131	1006-1014 Brass Wire Screw	
SC209	110	435	259	Hooks	284-285
SC209-A	110	436	259	1040	282
SC210	109	437-CD	259	SC1049	192
211	110	SC504	106	SC1050	192
SC211	110	SC619-A	103	1104-1114 Brass Wire Screw	
SC212	205	810	87	Eyes	288-289
SC213	194	SC810	87	1104-1114 Brass Wire Sq.	
SC216	112	815	88	Screw Hooks	286
SC217	112	818	89	1118	163
SC220	149	SC818	89	SC1118	163
SC220-A	149	820	87	1119	165
SC221	149	SC820	87	SC1119	165
SC221-A	149	825	88	SC1145	154
SC222	204	826	88	SC1152	278
SC223	204	827	88	SC1154	132
SC239	91	830	85	1181	294
SC240	91	SC830	85	1204-1217 Brass Wire Screw	
SC240-A	91	850	85	Eyes	288-289
SC242	91	860	88	1214½-1217½ Brass Wire	
243	79	865	89	Screw Eyes	291
SC243	79	875	89	SC1225	97
244	79	900	79	SC1225-A	97
SC244	79	SC900	79	SC1226	97
SC245	66	901	161	SC1226-A	97
SC246	66	902	161	SC1227	97
T246	66	903	161	SC1227-A	97
SC252	91	904	161	SC1228-A	98
SC252-A	91	905	161	SC1231	96
SC255	91	906	161	SC1231-A	96
301	212, 214, 253	907	161	SC1232	97
301-C	214	911	183	SC1232-A	97
1-301 to 14-301 Brackets	216	912	183	SC1233	98
41A301 Brackets	217	913	185	SC1233-A	98
303	208	914	184	SC1234	98
304 Rail	242	915	184	SC1234-A	98
7-304 Bracket	242	916	185	SC1235	98
8-304 Bracket	242	917	182	SC1235-A	98
SC304 Sash Lift	106	918	182	SC1236	96
SC304-A Sash Lift	106	920	170	SC1236-A	96
305	210	SC920	170	SC1237	97
306	238	SC920-A	170	SC1237-A	97
307	192	922	171	SC1244	94
308	193	SC922	171	SC1244-A	94
SC310	148	924	172	SC1245	94
SC310-A	148	SC924	172	SC1245-A	94
311	206	SC924-A	172	SC1246	94
312	205	926	173	1300	63
316	218	SC926	173	1301	63
1L316 to 13L316	218	928	174	1310	63
318	193	SC928	174	1311	63
320	294	930	174	SC1333	102
325	281	932	166	SC1340	95
328	281	SC932	166	SC1340-A	95
330	281	BB936	181	SC1344	92
SC340	92	SC936	181	SC1345	95
SC341	177	BB938	180	SC1349	95
SC342	177	SC938	180	SC1350	95
SC343	178	SC939	176	SC1350-A	95
SC344	80, 92	SC940	175	SC1353	84

Item Number	Page Number	Item Number	Page Number	Item Number	Page Number
SC1354	93	SC2421	72	BB5100-A	45
SC1355	93	SC2480	73	BB5100-SS	46
SC1356	95	SC2482	73	BB5101	44
SC1357	82, 93	SC2485	71	BB5101-A	44
SC1357½	83	SC2490	72	BB5101-AL	47
SC1358	93	SC2493	72	BB5101-SS	46
SC1360-DB	101	SC2495	70	BB5150	43
SC1361-N	101	BB2511	62	FBB5150	65
SC1362-DB	101	BB2531	62	BB5150-A	43
SC1363-A	103	BB2531-A	62	BB5150-SS	46
SC1364-A	100	BB2541	62	BB5151	42
SC1367	100	BB2551	62	FBB5151	65
SC1367-A	100	BB2551-A	62	BB5151-A	42
SC1368	99	BB2741	60	BB5151-AL	47
SC1368-A	99	BB2751	60	BB5151-SS	46
SC1370	150	BB2751-A	60	BB5300	53
SC1371	150	SC2850	90	BB5300-A	53
1412	294	SC2852	90	BB5301	52
SC1450	158	SC2852-A	90	BB5301-A	52
SC1740	70	SC2855	90	BB5350	51
SC1790	72	3000	212, 228	BB5350-A	51
SC1793	72	3000-C	228	BB5351	51
1800-A	69	1-3000 to 14-3000 Brackets.	230	BB5351-A	51
1801-A	68	3006	231	BB5400	53
1820-A	69	1L3006 to 13L3006 Brackets.	231	BB5400-A	53
1821-A	68	3030	212, 224	BB5400-SS	54
1972	168	1-3030 to 14-3030 Brackets.	226	BB5401	52
1974	168	3036	227	BB5401-A	52
1976	167	1L3036 to 13L3036 Brackets.	227	BB5401-AL	55
1978	283	SC3040	107	BB5401-SS	54
1980	169	SC3044	104	BB5450	51
1982	169	SC3044-A	104	BB5450-SS	54
BB2000	57	SC3045	107	BB5451	51
BB2000-A	57	SC3046	104	BB5451-AL	55
BB2001	57	SC3046-A	104	BB5451-SS	54
BB2001-A	57	SC3047	105	BB5510	64
BB2010	57	SC3047-A	105	BB5850	64
BB2011	57	SC3048-A	105	BB6301	49
BB2040 Butt	56	SC3049	107	BB6303	49
FBB2040	65	3066	212, 234	BB6303-A	49
SC2040 Handle	108	1-3066 to 14-3066 Brackets.	235	BB6351	49
BB2041	56	1L3066 to 13L3066 Brackets.	234	BB6351-A	49
FBB2041	65	SC3450	92	BB6411	49
BB2050	56	SC3450-A	92	BB6441	49
FBB2050	65	BB4000	45	BB6531	50
BB2050-A	56	BB4001	44	BB6531-A	50
BB2051	56	BB4002	45	BB6551	50
FBB2051	65	BB4003	44	BB6551-A	50
BB2051-A	56	BB4100	45	BB6621	50
BB2101	61	BB4101	44	BB6641	50
BB2101-A	61	BB4102	45	BB6701	48
BB2111	61	BB4103	44	BB6701-A	48
BB2141	61	BB4110	45	BB6751	48
BB2151	61	BB4111	44	BB6751-A	48
BB2151-A	61	BB4140	43	BB6811	48
SC2240	113	FBB4140	65	BB6841	48
SC2240-A	113	BB4141	42	7310	75
BB2300	59	FBB4141	65	SC7310	75
BB2300-A	59	BB4300	53	8040	86
BB2301	59	BB4301	52	SC8040	86
BB2301-A	59	BB4302	53	SC8060-P	77
BB2310	59	BB4303	52	SC8061-P	76
BB2311	59	BB4400	53	SC8070-A	77
BB2340	58	BB4401	52	SC8071-A	76
BB2341	58	BB4410	53	8080	86
BB2350	58	BB4411	52	SC8080	77, 86
BB2350-A	58	BB4440	51	SC8080-J	77
BB2351	58	BB4441	51	SC8081	76
BB2351-A	58	BB4531	50	SC8082	77
SC2400	90	BB5000	45	SC8083	76
SC2400-A	90	BB5000-A	45	8090	78
SC2402	90	BB5001	44	8095	78
SC2410	74	BB5001-A	44	8095-CDBP	78
SC2410-A	67	BB5050	43	8230	75
SC2410-CD	75	FBB5050	65	SC8230	75
SC2410-CDBP	75	BB5050-A	43	8500	78
SC2410-HGBP	75	BB5051	42	8500-HGBP	78
SC2412	74	FBB5051	65	8540	78
SC2415	71	BB5051-A	42	8600	78
SC2420	73	BB5100	45	8640	78

Alphabetical Index

A	Page No.
Accordion Folding Door Hangers	252
Adjustable Ball Bearing Floor Hinges	149
Floor End Guide and Stop	201
Guides	199-201
Spring Hinges	114-116
Stay Rolls	196-197
Airport Hangers	225, 229, 233, 236-237
Aluminum Ball Bearing Butts	47, 55
Angle Strap Hinges	182
Around-The-Corner Garage Door Sets...	272-275

B	
Back Flaps	88
Ball Bearing Butts	42-62, 64-65
Hinges	149, 180-181
Bar Staples	193
Barn Door Hangers	207, 209, 211, 215, 219-221, 239-241, 243, 245-246
Barrel Bolts	153
Basement Window Fasteners	132, 145
Sets	142-143
Beveled Edge Sash Lifts	113
Blank Ball Bearing Butts	64
Hinges	78
Bolt Hooks	185
Bolts, Barrel	153
Cane	158
Chain	155
Cremone	156-157
Eye	281
Flush	151
Foot	154
Hinges, Strap and	185
Square Spring	158
Surface	152
Window Spring	153
Braces, Corner	159-160
Garage Door	259, 278
Rail	269
Screen Door	132
Truss	259
Brackets, Extension	217, 232
Lock	218, 227, 231, 234
Rail	216-218, 226-227, 230-232, 234-235, 242
Shelf	147
Brass Wire Screw Eyes	287-291
Hooks	284-286
Bright Wire Screw Eyes	287-291
Hooks	284-286
Bumper Shoes	194
Bumpers and Stays	194
Buttons, Push (Catch)	100
Turn	144
Button Tip Butts	42-55, 65, 68-73, 79-81, 83
Butts, Aluminum	47, 55
Application of	13
Ball Bearing, Blank	64
Brass	42-45, 48-53, 56-62
Full Surface... ..	48-49, 60-61
Half Mortise... ..	50, 62
Half Surface... ..	51-53, 58-59
Hospital	56-62
Mortise... ..	42-45, 56-57
Template	42, 44, 48-52, 56-62
Steel	42-45, 48-53, 56-62, 64-65
Cell	64
Friction	65

	Page No.
Butts, Ball Bearing, Steel Full Surface...	48-49, 60-61
Half Mortise	50, 62
Half Surface... ..	51-53, 58-59
Hospital	56-62, 65
Mortise... ..	42-45, 56-57, 65
Stainless	46, 54
Template	42, 44, 48-52, 56-62, 65
Ball Tip, Loose Pin... ..	67-75, 79-82, 84, 90-93
Blank	78
Blind	79, 88
Brass Metal	67-69, 90-91
Template	68
Broad	76-77, 86
Friction	65-66
Ball Bearing	65
Parliament	66
Full Surface	78, 85-87, 92
Garage	176-178
Half Surface	80-84, 92
Hospital	63
Inside Blind	88
Light Loose Joint	89
Light Narrow	87, 91
Mortise	67, 69, 71, 73-75, 77-79
Template	68, 70, 72, 76
Narrow	85, 87
Offset Surface	177
Parliament	66, 79
Reversible	86
Specifications	14
Stainless Steel	46, 54
Steel Bushed	68-69
Swaging	13
Template, Brass	42, 44, 48-52, 56-62, 68
Description of	15
Steel	42, 44, 48-52, 56-63, 65-66, 70, 72, 76, 81
Templates	17-39
Transom	76-77
U. S. Govt. Type Numbers	10-11

C	
Cabinet Catches	99-101
Spring	101
Hinges	90-98
Knobs	103
Cane Bolt	158
Casement Window Fasteners	151
Cast Bar Sash Lift	106
Wheel	244
Catches, Cabinet, Handle	99
Knob	100
Lever	100
Spring	101
Cupboard	99-102
Door	195
Elbow	101
French Window	102
Friction	101
Transom	150
Cell Butts	64, 78
Cellar Window Sets	142-143
Cement Floor Adjustable Ball Bearing Hinge...	149
Stay Roll	198
Center Stop, Floor	201
Chain Bolt	155
Chains, Transom	150
Chest Handles	111-112
Hasp, Safety	162
Hinges	89

	Page No.		Page No.
Cleveland Hanger	246	Fastener, Basement Window	132, 145
Clipper Hanger	246	Casement Window	151
Closed Bar Staple	193	Faultless Stay Rolls	196
Closet Door Hangers	248-249	Federal Type Numbers	10-11
Clothes Line Hooks	280	Finishes, List of	9
Coat and Hat Hooks	279	Flat Back Butts	64, 78, 177
Common Hinge Hasp	166	Flat Corner Irons	160
Staples	167	Floor Center Stop	201
Comparative List of Federal Type Numbers	10-11	Door Stops	146, 200-201
Corner Braces	159-160	End Guide and Stop, Adjustable	201
Door Hangers	223, 233, 247	Guides	199-201
Sets	272-275	Hinges	149
Irons	160	Flush Bolts	151
Cottage Latch	186	Chest Handles	112
Cremona Bolts	156-157	Pulls	205
Cupboard Catches	99-102	Sash Lift and Door Pull	113, 249
Turns	102	Trap Door Ring	112
Cup Hooks	294	Folding Door, Accordion	252
Curtain Hooks	294	Garage Sets	260-271
Curved Rail	214, 228, 244	Foot Bolt, Friction	154
Cyclone Hangers	245	Spring	154
		Scraper	205
D		French Window Catch	102
Detachable Spring Hinge	117	Friction Butts	65-66
Sets	123	Catch	101
Diamond Hook and Staple	168	Parliament Butts	66
Door Brace	259, 278	Plate	84
Bumper and Stay	194	Type Foot Bolt	154
Catch	195		
Guides	199-201	G	
Handles	104-110	Garage Door Bolts	154-158, 259
Screen	107	Brace	259, 278
Holders	278	Butts	176-178
Latches, Barn	186-191	Hangers	222-223, 233, 247
Cottage	186	Hinges	175-178, 180-181
Double Handle	191	Holder	278
Garage	189-191, 204, 259	Latches	189-191, 204, 259
Screen	130-131	Sets, Corner	272-275
Sliding	203	Folding	260-271
Swinging	202	Overhead	254-258
Thumb	186-191	Swinging	276-277
Warehouse	190-191	Surface Butt, Full	177
Pulls, Edge	249	Half	178
Flush	113, 249	Gate Hook and Eyes	282
Rings, Flush Trap	112	Gravity Hasp	162
Springs, Screen	132	Latch	259
Stops	146	Lock	259
Double Acting Floor Hinge	149	Guide Plates	194
Handle Latch	191	Roll Strip	198
Drawer Knobs	103	Guides, Floor	199-201
Pulls	104-105, 113		
E		H	
Edge Door Pull	249	Half Surface Garage Butts	178
Eight Hook	281	Hinges	176, 180
Elbow Catch	101	Spring Hinges	115-116, 118
Embossed Garage Hinges	175, 180-181	Hammock Hooks	280
Surface Hinges	119	Handle Cabinet Catch	99
End Caps for 301 Rail	216	Handles, Cast	106
Gate Hinge	89	Chest	111-112
Guide and Stop	201	Flush Chest	112
Tins for 301 Rail Brackets	216	Pressed Steel	104-111
Views of Square Rail	212	Screen Door	107
Extension Rail Brackets	217, 232	Streamlined	104
Extra Heavy Ball Bearing Butts	42-43, 46-51, 54-56, 58, 60-62, 64-65	Hangers, Accordion Door	252
Hinge Hasps	163	Airport	225, 229, 233, 236-237
Latches	190-191	Barn Door	207, 209, 211, 215, 219-221, 239-241, 243, 245-246
Staples	283	Closet Door	248-249
Tee Hinges	174	Eyebolt	222, 232, 237
Warehouse Hinges	179	Garage Door	222-223, 233, 247
Straps	183	Interior Door	248-249
Eyebolt Hangers	222, 232, 237	Sash	133-140
Eye Bolts	281	Tandem	237
Eyes, Gate Hook and	282	Wardrobe Door	248-249
Padlock	192	Harness Hooks	279
Wire Screw	287-291	Hasp Lock	165, 259
Wrought Screw Hook	184	Hasps and Staples	169
		, Gravity	162
F		, Hinge	162-166
Fast, Shutter	145	, Hook and Staples	169

	Page No.
Hat Hooks, Coat and	279
Heavy Staples	283
Strap Hinges	171
Tee Hinges	173
Hinge Hasps, Chest	162
Common	166
Extra Heavy	163
Lock	165
Safety	162-165
Hinge Lock	165, 259
Hinges, Adjustable Spring	114-116
Angle Strap	182
Back Flap	88
Ball-Bearing	149, 180-181
Blank	64, 78
Blind, Inside	88
Shutter	79
Chest	89
Detachable Spring	117
Embossed Garage	175, 180-181
End Gate	89
Flat Back	64, 78, 177
Floor	149
Full Surface	92-95, 98, 114, 116-120, 177-179, 181-182
Garage	175-178, 180-181
Half Surface	80-84, 92-95, 97, 115-116, 118, 175-176, 178, 180
Spring	115-116, 118
Loose Joint	89
Offset, Cabinet	92-98
Garage	175, 178, 180-181
Ornamental	92-98
Reversed Pad, Tee	174
Reversible Tee	175
Rolled Plate	182
Screen Door	114-120
Screw Hook and Eye	184
Strap	183
Shutter	79
Slip Joint	84
Spring	114-118
Strap	170-171
and Bolt	185
Table	88
Tee	172-175
Warehouse	178-181
Holders, Bar	193
Garage Door	278
Stake, (Wagon)	192
Hooks, and Eye Hinges, Screw	184
Brass Wire Screw	284-286
Bright Wire Screw	284-286
Clothes Line	280
Coat and Hat	279
Cup	294
Curtain	294
Eight	281
Gate, and Eye	282
Hammock	280
Harness	279
Hasp, and Staples	169
"S"	281
Screw (Hinge)	184
, and Strap Hinge	183
Shoulder	294
Square, with Staples	168
Swing	280
Wire with Plate Staples	167
Staples	168
Horizontal Lag Screw Stay Rolls	195
Hospital Butts	56-63, 65

I

Interior Door Hangers	248-249
Installation Details	250-251
Irons, Corner	160
"T"	161

Page No.

J

Jamb Type Floor Hinge	149
-----------------------	-----

K

Knobs, Brass Cabinet	103
Drawer	103

L

Lag Screw Stay Rolls	195
Latches, Barn Door	187-191, 202-203
Cottage	186
Double Handle	191
Extra Heavy	190-191
Gravity	259
Mortise	130, 204
Overhead Set	259
Rim	131, 204
Screen Door	130-131
Sliding Door	203
Swinging Door	202
Thumb	186-191
Warehouse Door	190-191
Lifts, Bar Sash	106
Beveled Edge	113
Flush Sash, and Door Pulls	113, 249
Light Strap Hinges	170
Tee Hinges	172
Locks, Garage Door	204
Hasp	165, 259
Hinge	165
Mortise	130, 204
Overhead Door	259
Rim	131, 204
Sash	144

M

Mending Plates	159
Mortise Garage Door Latch	204
Screen Door Latch	130

N

Narrow Butts	85, 87, 89, 91
--------------	----------------

O

Offset Cabinet Hinges	92-98
Garage Door Hinges	175, 178, 180-181
Open Bar Staples	193
Ornamental Butts	80-84
Hinges	92-98
Outside Corner Brace	160
Overhead Garage Door Lock	259
Set	254-258

P

Padlock Eyes	192
Parallel Door Floor Guides	199
Parliament Butts	66, 79
Passing Door Installations	219, 241, 251
Plate Hinges, Rolled	182
Plates, Guide	194
Mending	159
Push	148
Staple	161
"T"	161
Pressed Steel Door Handles	104-111
Prison Door Butts	64, 78
Pulls, Drawer	104-105, 113
Edge Door	249
Flush Door, and Sash Lift	113, 249
Trap Door	112
Push Button Catch	100
Plates	148

Q

Quick-Rising Door Sets	254-258
------------------------	---------

R

Rail, Accordion Door	253
Brace	269

	Page No.
Rail Brackets	216-218, 226-227, 230-232, 234-235, 242
Closet Door	248
Curved	214, 228, 244
Extra Heavy Trolley	224, 227-228, 231, 234
Flat	244
Interior Door (Light)	248
Light	238
Lock Brackets	218, 227, 231, 234
Round	208, 242
Square	206, 214, 218, 224, 227-228, 231, 234
Storm Proof	206, 208, 210
Trolley	206, 214, 218
Wardrobe Door	248
Reversed Joint Extra Heavy Tee Hinge	174
Pad Offset Garage Hinge	178
Reversible Cabinet Catch	100
Sash Hanger	139
Screen Door Hinge	120
Tee Hinge	175
Rim Latches, Garage Door	204
Screen Door	131
Rings, Flush Trap Door	112
Roll Strip, Guide	198
Rolled Plate Hinges	182
Rolls, Stay	195-198
Round Wire Hook and Staples	168

S

"S" Hook	281
Safety Chest Hinge Hasp	162
Hinge Hasp	162-165
Sash Fasteners	132, 145
Hangers	133-140
Sets	133-140
Sash Lifts, Bar	106
Beveled Edge	113
Flush, and Door Pulls	113, 249
Lock	144
Scraper, Foot	205
Screen Door Braces	132
Handles	107
Hinges	114-120
Latches	130-131
Sets	121-129
Spring	132
and Storm Sash Hangers	133-140
Sets	133-140
Window Fasteners	132, 145
Screw Eyes	287-291
Hooks (Hinge)	184
Hooks (Wire)	284-286
Hooks and Eye (Hinge)	184
Hooks and Eye (Wire)	282
Hook and Strap Hinge	183
Screw, Stop Bead	146
Shelf Brackets	147
Shoes, Bumper	194
Shoulder Hooks	294
Shutter Fasteners	145
Hinge	79
Sliding Door Latch	203
Folding Garage Door Sets	260-271
Door Guides	199
Slip Joint Hinge	84
Spring Bolts, Window	153
Catch	101
Hinges	114-118
Hinge Sets	121-125
Type Foot Bolt	154
Springs, Screen Door	132
Square Hook and Staples	168
Screw Hooks	286
Spring Bolts	158
Stake Holders, Wagon	192
Stainless Steel Butts, Ball Bearing	46, 54
Staples, Bar	193
Common	167
Extra Heavy	283

Page No.

Staples, Hasps and	169
Hasps Hook and	169
Heavy	283
Plate	161
Swivel Plate	161
Stay Rolls	195-198
Stays, Bumper and	194
Steel Door Stops	146
Stop Bead Screws	146
Stops, Adjustable Floor End Guide and	201
Guide and	200
Floor Center	201
Door	146
Storm Proof Rail	206, 208, 210
Storm Window Ventilator	141
Strap and Bolt Hinges	185
Hinges	170-171
Screw Hook and	183
Streamlined Drawer Pull	104
Handle Cabinet Catch	99
Strip, Guide Roll	198
Surface Bolts	152
Garage Butts	176-178
Hinges	175, 181
Swing Hook	280
Swinging Door Latches	202
Harness Hooks	279
Swivel Plate Staples	161

T

"T" Plate	161
Tandem Hangers	237
Tee Hinges	172-175
Template Butts	42, 44, 46-52, 54-63, 65-66, 68, 70, 72, 76, 81

Screw Packing

Templates	17-39
Thumb Latches	186-191
Tips for Butts	12
Transom Butts	76-77
Catch	150
Chain	150
Trap Door Rings, Flush	112
Truss Braces	259
Turn Buttons	144
Turns, Cupboard	102

U

Union Adjustable Stay Roll	196
Universal Strikes	153
U. S. Govt. Type Numbers	10-11

V

Ventilator, Storm Window	141
Vertical Lag Screw Stay Rolls	195

W

Wagon Stake Holders	192
Wardrobe Door Hangers	248-249
Rail	248
Warehouse Door Floor Guides	200-201
Hangers	225, 229, 233, 236-237
Hinges	178-181
Latches	190-191
Rail	224, 227-228, 231, 234
Stay Rolls	197-198
Window Fasteners	132, 145
Sets, Basement	142-143
Cellar	142-143
Screen and Storm Sash	133-140
Spring Bolts	153
Ventilators, Storm	141
Wire Hooks and Eyes	282
Staples	168
With Plate Staples	167
Screw Eyes	287-291
Hooks	284-286

Comparative List of Finishes

DESCRIPTION	Lawrence Brothers, Inc.	United States Standard	Barrows Lock Works	P. & F. Corbin	Lockwood Hdw. Mfg. Co.	Norwalk Lock Co.	Penn Hdw. Co.	Reathing Corp.	Russell & Erwin Mfg. Co.	Sager Lock Works	Sargent & Co.	The Stanley Works	Yale & Towne Mfg. Co.
Bright Brass Dull Brass Dull Brass, Oxidized and Relieved	BB DB DBR	US3 US4 US5	A30 D30 D31	A EA KA	13½ 13 43	PK K KR	BB DB DBR	31 37 371	10 9 9C	A30 D30 D31	B OB OE	C F F4	AZ10 AY22 AY21
Bright Bronze Dull Bronze Dull Bronze, Oxidized and Relieved	Bz DBz DBzR	US9 US10 US11	A20 D20 D21	B DB HB	1 34 23	1 DB DBR	BBz DBz DBzR	1 7 271	11 11D 11C	A20 D20 D21	P OP OP	A A5 A4	BZ10 BY22 BY21
Dull Bronze, Oxidized and Oil Rubbed Zinc Plated Bright Chromium	BzOR CD Chr	US2C US26	D23 A90 A110	EB CR	390R C 96	DBZ CAD CP	DBZO CAD BCH	221OR CA CP	13OR 24	D23 A90 A110	03P W CM	A9 K CM	BY23 CM DZ10
Dull Chromium Sanded Dull Black Hot Galvanized	DChr DE HG	US26D US18A (Steel) US19 (Brass) US2H	D110 18	DCR KF	97 6	DCP HW G	DCH IRP	DCP 87½ HG	34 47 Galv.	D110 18	DCM BN	CMD H R	DY10 FX90 (Steel)
Rough Rolled, Black Oxidized and Relieved Bright Japan Dead Black Japan	WI J D	US1B US1D	010 0D10	J D	J JF	J DJ	J DJ	J DJ		010 0D10	J	WR J J1	J DJ
Prime Coat Bright Nickel Dull Nickel	P N DN	USP US14 US15	A50 D50	E DE	P 5 90	PC NP DN	BN DN	PR 80 77	PC 4 14	A50 D50	PC N LN	P N N5	NZ10 NY10
White Bronze	WM	US25	A100	NK	95	NM	White Bronze	81	44	A100	EM	NM	NZ40

The above comparative list of finishes is a very close comparison, but if an exact match is required it is best to submit a sample.

United States Government Type Numbers listed in Federal Standard Stock Catalogs FF-H-111a & FF-H-116b with Lawrence Comparative Numbers

Gov't No.		Lawrence No.	Catalog Page	Gov't No.		Lawrence No.	Catalog Page
	FF-H-111a						
F1011	Barrel Bolt	990-J	153	1307	Drawer Pull	3044-A	104
F1011-C	" "	990-CD	153	F1307	" "	3044-Chr	104
F1023-A	Chain Bolt	146-J	155	1308	" "	3048-A	105
F1023-AC	" "	146-CD	155	1310	" "	3¼" 2240-A	113
F1023-B	Foot Bolt	145-J	154	F1310	" "	3¼" 2240-Chr	113
F1023-BC	" "	145-CD	154	F1401	Hinge Hasp	932-HGBP	166
F1029	Cremone Bolt	960-J	157	F1401-C	" "	932-CD	166
F1051	Cane Bolt	1450-J	158	F1401-E	" "	932-Brt	166
1061	Surface Bolt	981-A	152	F1403	" "	118-HGBP	163
F1061	" "	981	152	F1403-C	" "	118-CD	163
1062	" "	983-A	152	F1403-E	" "	118-Brt	163
F1062	" "	983	152	F1405	Safety Hasp	119-HGBP	164
F1068	Shelf Bracket	192-J	147	F1405-C	" "	119-CD	164
F1072	Friction Catch	1362-CD	101	F1405-E	" "	119-Brt	164
F1074-C	Spring Catch	1361-CD	101	F1430	Padlock Eyes	1050-HG	192
F1074-D	" "	1361-N	101	F1430-C	" "	1050-CD	192
F1075-A	Elbow Catch	1360-N	101	F1430-D	" "	1050-J	192
F1075-AC	" "	1360-CD	101	1601	Hook & Eyes	1040	282
1076	Cabinet Latch	1368-A-Chr	99	F1601	" " "	40-Brt	282
F1076	" "	1368-Chr	99	F1650	Window Ventilator	149-CD	141
1078-A	" "	1367-A-Chr	100	F1824	Screen Hanger	167-CD	139
F1078-A	" "	1367-Chr	100	F1825	" "	165-CD	138
1085	Cupboard Catch	134-A	102	F1825-B	" "	159-CD	135
F1085	" "	134	102	F1830	Sash Hanger	166-CD	140
F1097	Transom Catch	137	150	F1831	" "	156-CD	134
F1123	Transom Chain	1371	150	F1845	Door Spring	190-J	132
F1136	Casement Fastener	139	151		FF-H-116b		
F1137	Window Fastener	169	145	2001	Butt Hinge	BB5000-A	45
F1137-C	" "	169-CD	145	2001-T	" "	BB5001-A	44
1142	Sash Lock	174-A	144	2001½	" "	BB5100-A	45
F1142	" "	174	144	2001½-T	" "	BB5101-A	44
F1188-7½	Thumb Latch	104½-J	188	2002	" "	BB5050-A	43
F1188-8¾	" "	105-J	189	2002-T	" "	BB5051-A	42
F1189	" "	109-J	190	2002½	" "	BB5150-A	43
F1190	" "	204-J	191	2002½-T	" "	BB5151-A	42
F1190-C	" "	204-CD	191	2005	" "	1800-A	69
F1204	Sash Lift	504	106	2005-T	" "	1801-A	68
F1204-A	" "	4" 304	106	2005½	" "	1820-A	69
1213	Flush Sash Lift	402-A	113, 249	2005½-T	" "	1821-A	68
F1213	" " "	402	113, 249	2010	" "	BB4000	45
F1223	Screen Lift	3049-J	107	2010-T	" "	BB4001	44
F1223-C	" "	3049-CD	107	2010-B	" "	BB5000	45
F1269	Handle	3040	107	2010-BT	" "	BB5001	44
1275	" "	209-A	110	2010½	" "	BB4100	45
F1275	" "	209-J	110	2010½-T	" "	BB4101	44
F1275-C	" "	209-CD	110	2010½-B	" "	BB5100	45
F1276	" "	211-J	110	2010½-BT	" "	BB5101	44
F1276-C	" "	211-CD	110	2010½-P	" "	BB4110	45
1282	Drawer Knob	1⅛" 619-A	103				

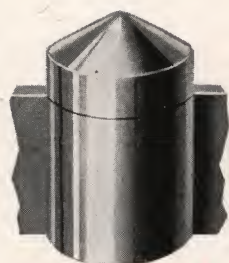
The initial (T) following the Government type number is to show our comparative, where that particular Government type number is specified with holes template punching.

United States Government Type Numbers listed in Federal Standard Stock Catalogs FF-H-111a&FF-H-116bwith Lawrence Comparative Numbers

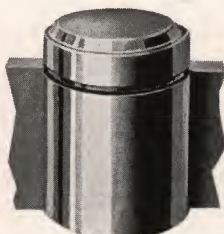
Gov't No.		Lawrence No.	Catalog Page	Gov't No.		Lawrence No.	Catalog Page
2010½-PT	Butt Hinge	BB4111	44	2060	Hospital Butt Hge.	BB2000-A	57
2011	" "	BB5050	43	2060-T	" " "	BB2001-A	57
2011-T	" "	BB5051	42	2061	" " "	BB2000	57
2011½	" "	BB5150	43	2061-T	" " "	BB2001	57
2011½-T	" "	BB5151	42	2061-P	" " "	BB2010	57
2011½-P	" "	BB4140	43	2061-PT	" " "	BB2011	57
2011½-PT	" "	BB4141	42	2063	Ex. Hy. Hospital	BB2050-A	56
2014	" "	2410-HGBP	75	2063-T	" " "	BB2051-A	56
2014½-P	" "	2420	73	2054	" " "	BB2050	56
2014½-PT	" "	2421	72	2064-T	" " "	BB2051	56
2015	" "	2410	74	2064-P	" " "	BB2040	56
2015-T	" "	1790	72	2064-PT	" " "	BB2041	56
2015-B	" "	2415	71	2065	Hospital Butt Hge.	BB2300-A	59
2015-BT	" "	1740	70	2065-T	" " "	BB2301-A	59
2015½	" "	2480	73	2066	" " "	BB2300	59
2015½-T	" "	2490	72	2066-T	" " "	BB2301	59
2015½-B	" "	2485	71	2066-P	" " "	BB2310	59
2015½-BT	" "	2495	70	2066-PT	" " "	BB2311	59
2017-A	" "	2400-A	90	2068	Ex. Hy. Hospital	BB2350-A	58
2017½-A	" "	2852-A	90	2068-T	" " "	BB2351-A	58
2018	" "	2400	90	2069	" " "	BB2350	58
2018-A	" "	2402	90	2069-T	" " "	BB2351	58
2018½	" "	2855	90	2069-P	" " "	BB2340	58
2018½-P	" "	2850	90	2069-PT	" " "	BB2341	58
2021	" "	240-A	91	2080	Butt Hinge	BB4300	53
2021-A	" "	240-A	91	A2080	" " "	BB5350	51
2022	" "	240-Plated	91	A2080-T	" " "	BB5351	51
2022½-P	" "	239	91	2080-B	" " "	BB5300	53
2028	" "	8070-A	77	2080-BT	" " "	BB5301	52
2028-T	" "	8071-A	76	2080½-P	" " "	BB4410	53
2029-A	" "	8030-CD	77, 86	2080½-PT	" " "	BB4411	52
2029-AA	" "	8080-		A2080½-P	" " "	BB4440	51
		CDBP	77, 86	A2080½-PT	" " "	BB4441	51
2029-B	" "	8080-		B2080	Half Surface Hge.	344	80, 92
		Plated	77, 86	B2080T	" " "	346	81
2029-BT	" "	8081-Plated	76	B2080½-P	" " "	364	80
2029-C	" "	8082	77	B2080½-PT	" " "	366	81
2029-CT	" "	8083	76	2081	Butt Hinge	BB5300-A	53
2029-P	" "	8060	77	2081-T	" " "	BB5301-A	52
2029-PT	" "	8061	76	A2081	" " "	BB5350-A	51
A2030	" "	8500	78	A2081-T	" " "	BB5351-A	51
A2030-A	" "	8540	78	2138	Garage Hinge	BB938-HGBP	180
A2030-B	" "	8600	78	2138-A	" " "	CD-BB938-D	180
A2030-C	" "	8640	78	2140	" " "	BB936-HGBP	181
A2030-D	" "	8500-HGBP	78	2140-A	" " "	CD-BB936-D	181
B2030-D	" "	8095-CDBP	78	2203	Hy. Strap Hinge	922-HGBP	171
2031	" "	8040	86	2208	Hy. Tee Hinge	926-HGBP	173
2031-A	" "	8040-CDBP	86	2209	Ex. Hy. Tee Hinge	928-HGBP	174
2040	" "	2410 Wide		2212	Ex. Hy. Tee Rev.	930-HGBP	174
		Throw	74	2301	Scr. Dr. Spring Hge.	188	114
2041	" "	BB4000 Wide		2301-A	" " "	188-A	114
		Throw	45	2302	" " "	189	115
2041-T	" "	BB4001 Wide		2302-A	" " "	189-A	115
		Throw	44	2334	Floor Hinge	220-A	149

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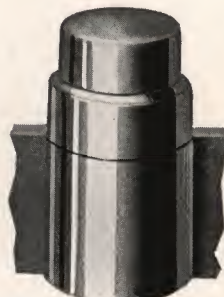
Tips For Lawrence Butts



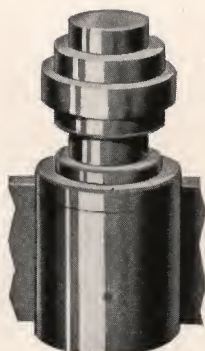
Symbols Cone
CT



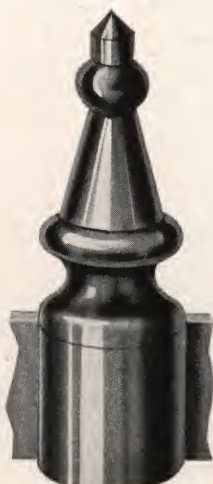
Royal
RL



Streamlined
SLD



Modern
Symbols MT



Steeple
SST (Steel)
BST (Brass)



Button
BT



Ball

The Ball Tips are standard for most butt hinges. Lawrence butts can be equipped with other tips as shown. The extra charge for these tips is given in our price book. When ordering, use the symbol under each tip; an illustration is, No. BB5000-Bz MT.

Button Tips are regularly furnished on butt hinges prime coat for painting; can be furnished on plated butts, if not already listed in the catalog, by adding the symbol to the butt type number, as illustrated above.

NON-REMOVABLE PIN—butts can be furnished with non-removable pins and when ordering, use the following symbol:—

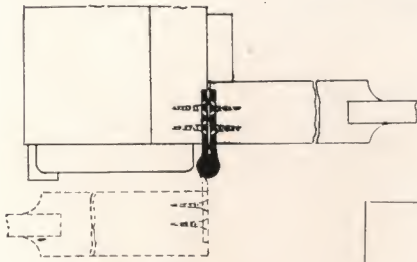
H.F.P. hold fast or non-removable pin, set screw in the barrel.

R.P. riveted pin (pins riveted or spun at both ends).

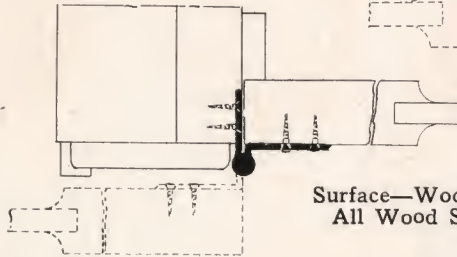
W.P. welded pin (used with hospital butt hinges).

Applications — Swaging

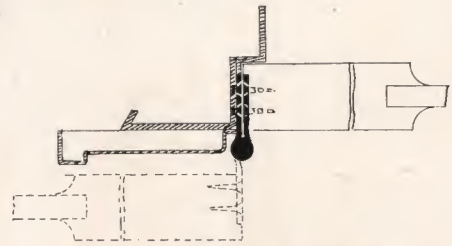
WOOD DOORS



Wood Jamb
All Wood Screws



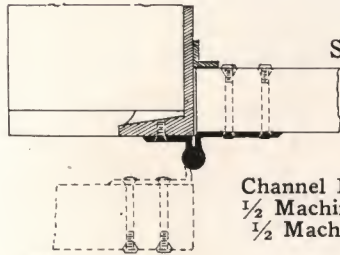
Surface—Wood Jamb
All Wood Screws



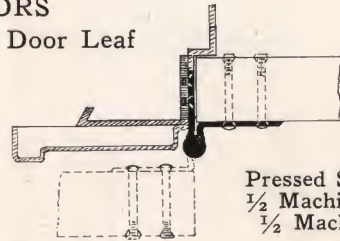
Pressed Steel Jamb
 $\frac{1}{2}$ Machine Screws
 $\frac{1}{2}$ Wood Screws

KALAMEIN DOORS

Specify Length Bolts for Door Leaf



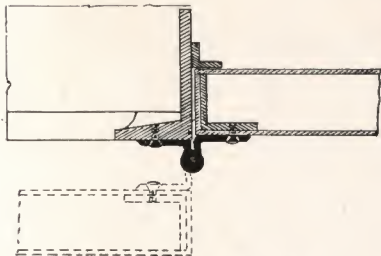
Channel Iron Jamb
 $\frac{1}{2}$ Machine Screws
 $\frac{1}{2}$ Machine Bolts



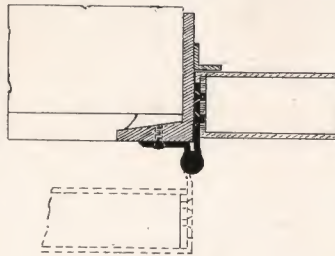
Pressed Steel Jamb
 $\frac{1}{2}$ Machine Screws
 $\frac{1}{2}$ Machine Bolts

HOLLOW METAL DOORS

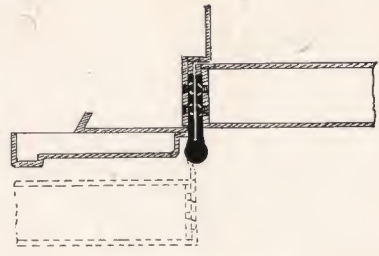
Application of Hinges to Doors



Channel Iron Jamb and
Angle Iron Frame Doors
All Machine Screws

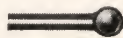


Channel Iron Jamb
All Machine Screws



Pressed Steel Jamb
All Machine Screws

SWAGING



Swaged
For Full Mortise Application



Not Swaged or Flat Back
For Full Surface Application

Swaging is a slight offset at the barrel of a butt hinge permitting the leaves to come closer together. A standard swaged butt hinge provides a clearance of $\frac{1}{16}$ " between the leaves when opened parallel.

Swaged butt hinges are used for mortise application.

Flat back butt hinges are used for full surface application.

Specifications for the Proper Butt Hinges

For Wood Doors or Steel Doors and Transoms

Table 1. Correct sizes of butt hinges
for doors and transoms

Thickness of Doors in inches	Width of Drs. (jamb opening) or height of transoms in inches	Height of butt hinges (length of joint), inches
$\frac{3}{4}$ and $\frac{7}{8}$ cupboard doors.....	To 24	$2\frac{1}{2}$
$\frac{7}{8}$ and $1\frac{1}{8}$ screen doors.....	To 36	3
$1\frac{1}{8}$ doors	To 36	$3\frac{1}{2}$
$1\frac{1}{4}$ and $1\frac{3}{8}$ doors.....	To 32	$3\frac{1}{2}$
Do	Over 32 to 37.....	4
$1\frac{9}{16}$, $1\frac{3}{4}$ and $1\frac{7}{8}$ doors.....	To 32	$4\frac{1}{2}$
Do	Over 32 to 37.....	5
Do	Over 37 to 43.....	5 Extra heavy
Do	Over 43 to 50.....	6 Extra heavy
2, $2\frac{1}{4}$ and $2\frac{1}{2}$ doors.....	To 43	5 Extra heavy
Do	Over 43 to 50.....	6 Extra heavy
$1\frac{1}{4}$ and $1\frac{3}{8}$ transoms.....	To 20	$2\frac{1}{2}$
Do	Over 20 to 36.....	3
$1\frac{1}{2}$, $1\frac{9}{16}$, $1\frac{3}{4}$ and $1\frac{7}{8}$ transoms.....	To 20	3
Do	Over 20 to 36.....	$3\frac{1}{2}$
2, $2\frac{1}{4}$ and $2\frac{1}{2}$ transoms.....	To 20	$3\frac{1}{2}$
Do	Over 20 to 36.....	4

Doors 60 inches high and under.....2 butt hinges

Doors over 60 inches high and not over 90 inches high.....3 butt hinges

Doors over 90 inches high and not over 120 inches high.....4 butt hinges

Transoms 48 inches wide and under.....2 butt hinges

Transoms over 48 inches wide and not over 84 inches wide.....3 butt hinges

Height of doors refers to jamb-opening dimensions.

In giving the size of butt hinges, the length of joint should always be stated first.

Table 2. Expected frequency of operation of doors

(Number of operations of one leaf of door,
opening and closing = 1 cycle)

Type of Building and Door	EXPECTED FREQUENCY	
	DAILY	YEARLY
Large department store entrance.....	5,000	1,500,000
Large office building entrance	4,000	1,200,000
Theater entrance	1,000	450,000
Schoolhouse entrance	1,250	225,000
Schoolhouse toilet door	1,250	225,000
Store or bank entrance.....	500	150,000
Office building toilet door.....	400	118,000
Schoolhouse corridor door.....	80	15,000
Office building corridor door.....	75	22,000
Store toilet door.....	60	18,000
Dwelling house entrance	40	15,000
Dwelling house toilet door.....	25	9,000
Dwelling house corridor door.....	10	3,600
Dwelling house closet door	6	2,200

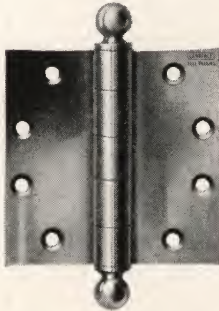
Per performance.

Extra heavy butt hinges should be specified on doors where high-frequency service is expected (see table 2). Whenever in table 1 regular weight butt hinges are specified, but the door in question is of such a character as to come into the high-frequency classification, then extra-heavy butt hinges of the same length and width should be substituted.

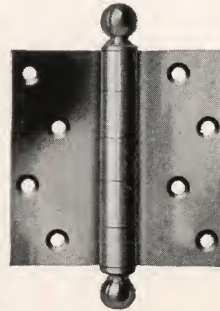
Lawrence Template Butt Hinges

Conform to U. S. Government Standards

Location of Screw Holes



The location of screw
holes in a Lawrence
Template Butt
Hinge size
 $4\frac{1}{2}'' \times 4\frac{1}{2}''$.



The location of screw
holes in a Lawrence
Non-template Butt
Hinge size
 $4\frac{1}{2}'' \times 4\frac{1}{2}''$.

FULL MORTISE TEMPLATE BUTTS PACKED ONE-HALF MACHINE SCREWS AND ONE-HALF WOOD SCREWS UNLESS OTHERWISE SPECIFIED.

Lawrence template Butt Hinges are manufactured to the standard template dimensions and tolerances in accordance with latest issue of Builders' Template Hardware, Commercial Standards.

They are carried in the full mortise, half mortise, full surface and half surface types. On page 14 (specifications for the proper

butt hinges) you will find helpful information in selecting proper hinges.

Template drawings are shown on pages 17 to 39. Where it is not necessary to have a physical sample these will give you complete information and copies can be furnished on request without charge.

Information on Butt Hinges

LAWRENCE BALL BEARING BUTT HINGES are recommended for doors where high frequency service is expected or on all doors where it is desirable to have unusually smooth operation. They are carried in the regular weight, with two ball bearings races and in the extra heavy weight with the four ball bearing races.

In the concealed type ball bearing butt hinge, it has been our aim to give the trade a ball bearing butt of the highest quality. This hinge is outstanding in appearance, workmanship, durability and in smoothness of operation. It is streamlined, with all working parts enclosed. Being dustproof and moistureproof the hinge is desirable for the architecture of today. It is also in harmony with modern equipment used on the interior of the building.

The Lawrence ball bearing butt is made in the full mortise, half mortise, full surface

and half surface types, sizes and finishes to meet every requirement for both interior or exterior doors of commercial buildings, social and recreational buildings, educational buildings, public buildings, residential buildings, public works and utilities and miscellaneous buildings.

Packing and Identifying; Lawrence hardware can be recognized by the special buff color boxes and the orange labels. The orange label completely describes the contents of each package. Wrought brass butts and highly polished butts are first wrapped in oiled paper, then wrapping paper, insuring protection of the finish. Necessary screws are wrapped separately for each individual hinge. Other items of plated hardware are wrapped in a high grade of tissue paper with screws wrapped separately.

All Lawrence butt hinges are stamped with **LAWRENCE** trade mark.

Metals Obtainable and Information on Plated Finishes

Metals Obtainable

Butt hinges can be furnished made from wrought white bronze metal, wrought brass metal or wrought cold rolled steel, as listed in the catalog and plated in any of the standard finishes.

Wrought Steel, Wrought Brass Butt Hinges

Wrought steel or wrought brass butt hinges should be used on interior doors and wrought brass butt hinges are recommended for exterior doors or outside use.

Chromium Finish

Chromium finish is applied directly to white bronze metal. Wrought brass metal is first given a nickel base finish before applying the chromium finish. Cold rolled wrought steel is given a coating of copper after which nickel is applied preparatory to the final chromium finish.

Zinc Finish

Zinc finish is the best known rust resistant coating applied over steel. However, it is not a rust-proof finish and is not recommended as a base finish for other finishes. When used as an individual finish, it will give satisfactory results.

Hot Dipped Galvanized Finish

Hot dipped galvanized finish, is a rust-proof finish. Items furnished in this finish are listed in our catalog. Items not shown, can be furnished on special order with the exception of threaded wire goods.

Highly Polished and Heavily Plated

You will find standard butt hinges listed in different grades, such as the *highly polished and heavily plated type* with inner edges of leaves beveled, accurately made and truly a quality hinge to be used where it is desired to have the best.

Polished and Plated

In the *polished and plated butt hinge*, the finish is applied over a polished surface. This hinge does not have the distinction of the highly polished and heavily plated butt.

Planished and Plated

On *Planished and Plated butt hinges* the finish is applied directly to the cold rolled steel. This is a practical finish where a planished surface will meet the requirements.

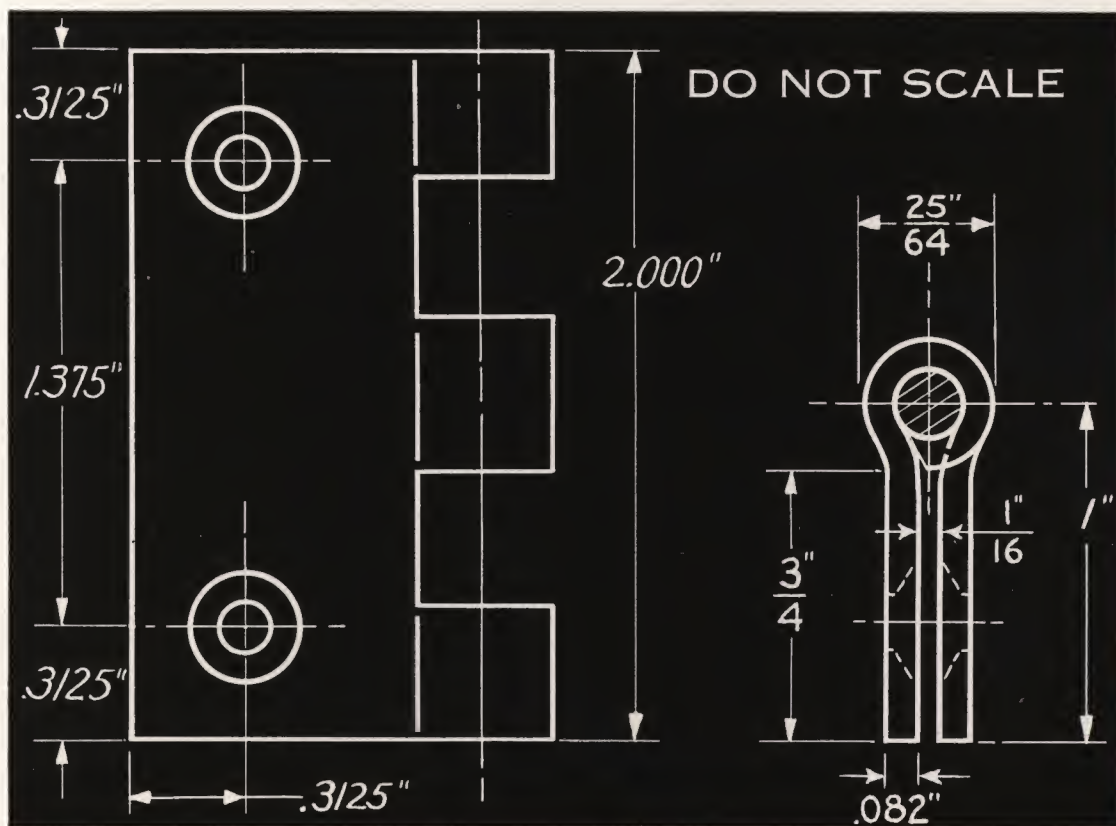
Prime Coat for Painting

Prime coat butt hinges for painting, have a clearance for paint between the barrel and inner edges of leaves.

Full Mortise Template Butt Hinges

For Hollow Metal Doors or Wood Doors and Transoms with Pressed Steel Jambs

Size 2"x2"



Thickness of Metal— .082

CLASS NUMBERS

1790
1793
2421
2490
2493
8061
8081
8083

Size of Machine Screws $\frac{1}{2}$ "x8-32 F. H.

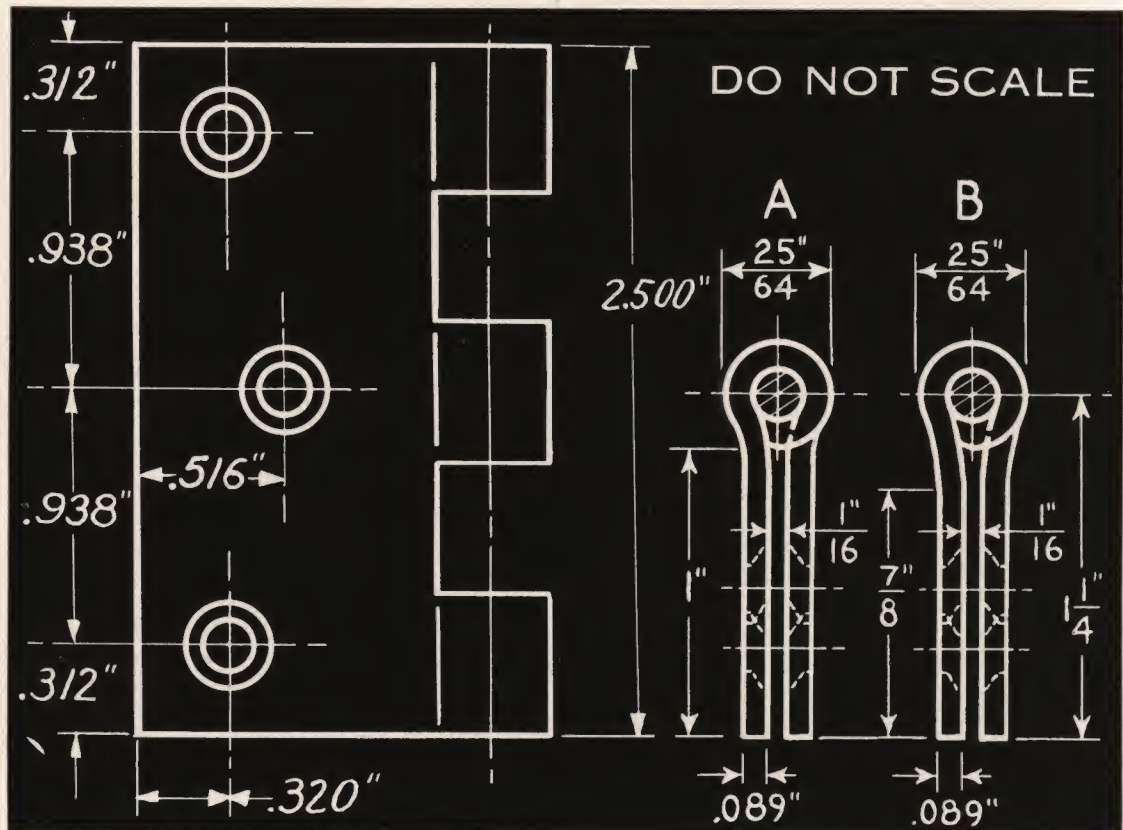
Size of Wood Screws $\frac{3}{4}$ "x8 F. H.

All template butts are packed one-half machine screws and one-half wood screws unless otherwise specified.

Full Mortise Template Butt Hinges

For Hollow Metal Doors or Wood Doors and Transoms with Pressed Steel Jambs

Size $2\frac{1}{2}" \times 2\frac{1}{2}"$



Thickness of Metal—	.089	.089
Swaging Per Sketch—	A	B

CLASS NUMBERS	1790	1740
	1793	2495
	2421	
	2490	
	2493	
	8061	
	8081	
	8083	

Size of Machine Screws $\frac{1}{2}" \times 8-32$ F. H.

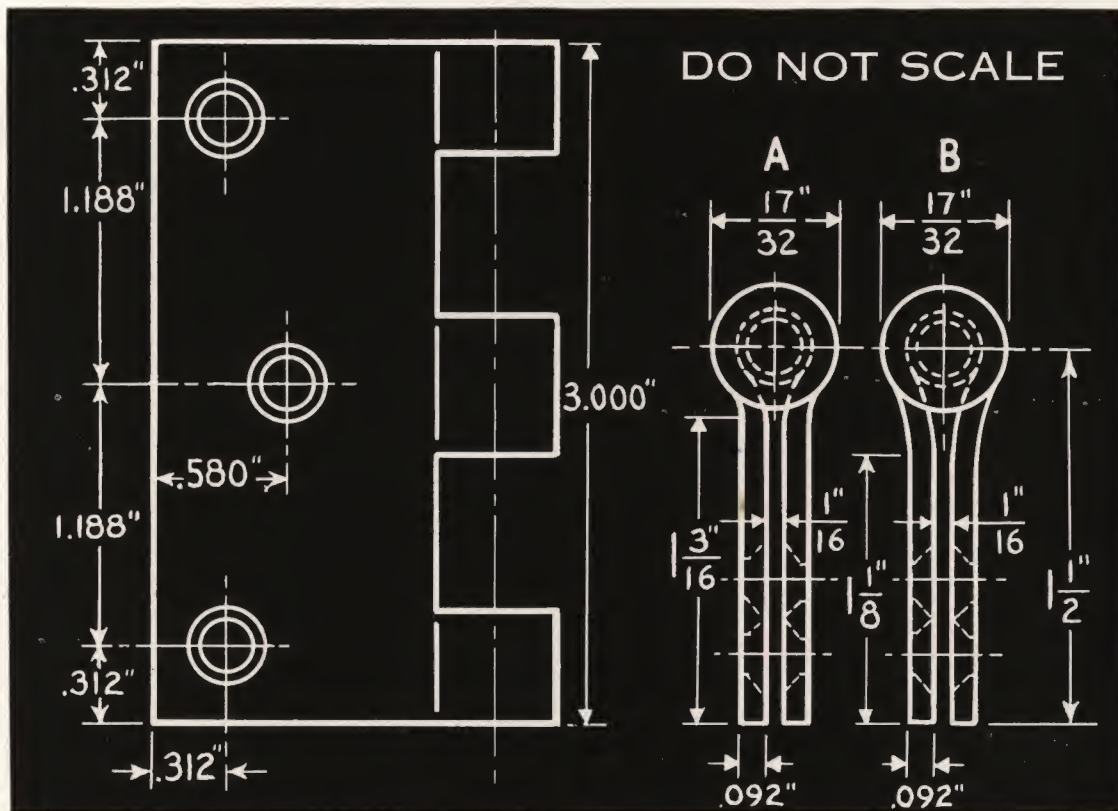
Size of Wood Screws $\frac{1}{8}" \times 8$ F. H.

All template butts are packed one-half machine screws and one-half wood screws unless otherwise specified.

Full Mortise Template Butt Hinges

For Hollow Metal Doors or Wood Doors and Transoms with Pressed Steel Jambs

Sizes 3"x2½", 3"x3"



Thickness of Metal—
Ball Bearing Swaging
Per Sketch—

.092

.092

.092

A

B

CLASS NUMBERS

1301
1311
1740
1790
1793
1801-A
1821-A
2421
2490
2493
2495
8061
8071-A
8081
8083

BB-2011
BB-4001
BB-4003
BB-4101
BB-4103
BB-4111

BB-2001
BB-2001-A
BB-5001
BB-5001-A
BB-5101
BB-5101-A

Size of Machine Screws ½"x10-24 with No. 8 F. H.

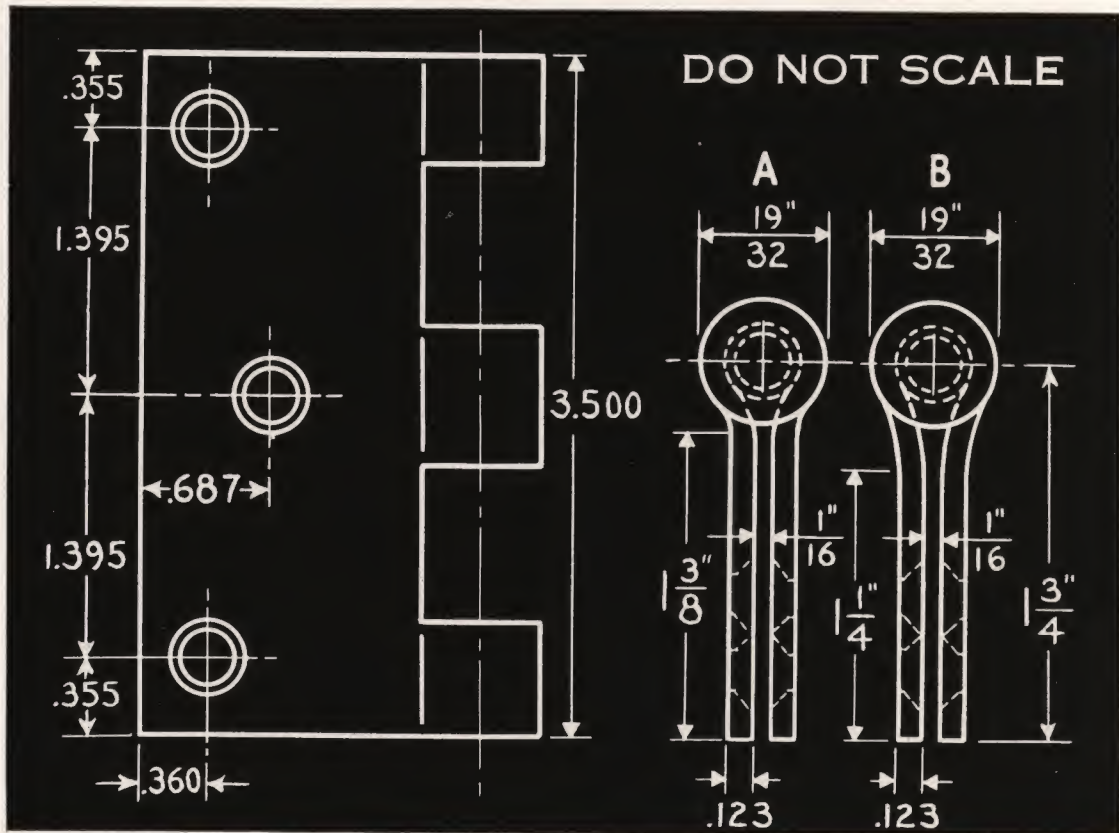
Size of Wood Screws 1"x8 F. H.

All template butts are packed one-half machine screws and one-half wood screws unless otherwise specified.

Full Mortise Template Butt Hinges

For Hollow Metal Doors or Wood Doors and Transoms with Pressed Steel Jambs

Sizes $3\frac{1}{2}" \times 3"$, $3\frac{1}{2}" \times 3\frac{1}{2}"$



Thickness of Metal—
Ball Bearing Swaging
Per Sketch—

.123

.123

.123

A

B

CLASS NUMBERS

1301
1311
1740
1790
1793
1801-A
1821-A
2421
2490
2493
2495
8061
8071-A
8081
8083

BB-2011
BB-4001
BB-4003
BB-4101
BB-4103
BB-4111

BB-2001
BB-2001-A
BB-5001
BB-5001-A
BB-5101
BB-5101-A

Size of Machine Screws $\frac{1}{2}" \times 10-24$ F. H.

Size of Wood Screws $1" \times 10$ F. H.

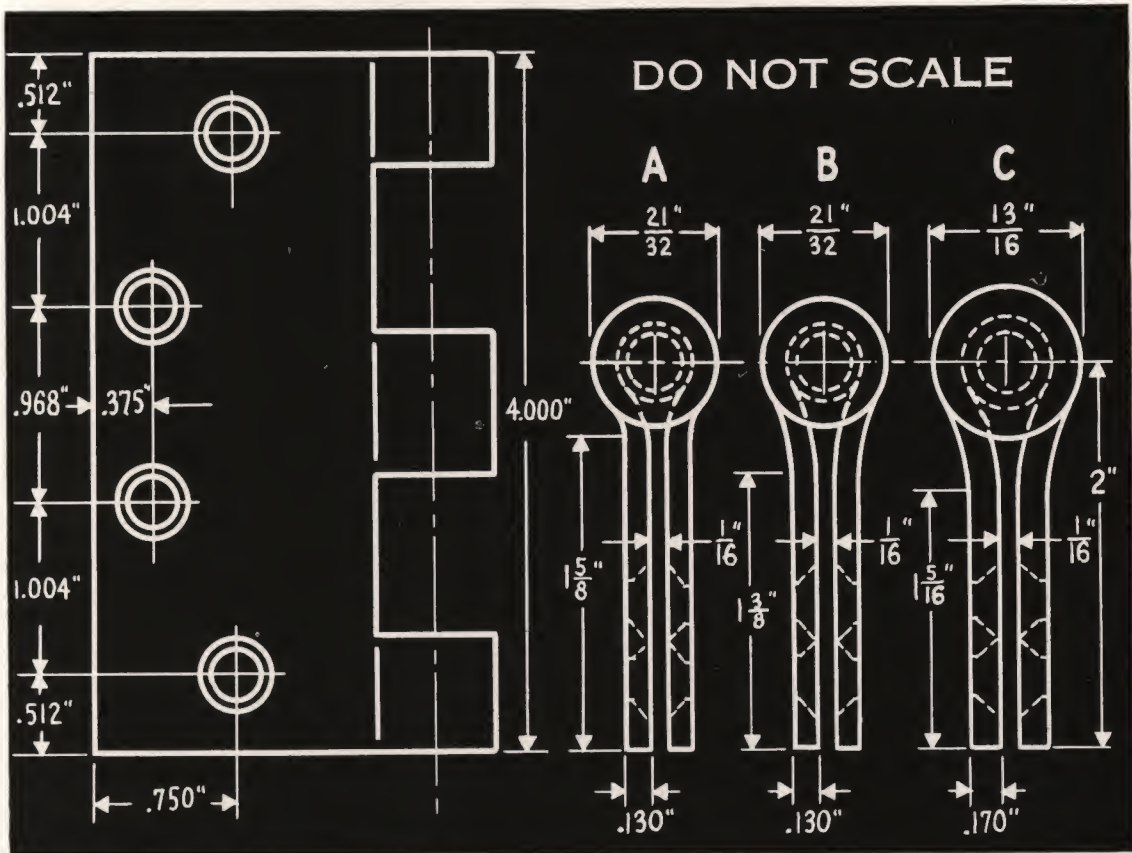
All template butts are packed one-half machine screws and one-half wood screws unless otherwise specified.

Good Hardware since 1876

Full Mortise Template Butt Hinges

For Hollow Metal Doors or Wood Doors and Transoms with Pressed Steel Jambs

Sizes 4"x3", 4"x3½", 4"x4", 4"x5", 4"x6"



Thickness of Metal—
Ball Bearing Swaging
Per Sketch—

.130

.130

.130

.170

A

B

C

CLASS NUMBERS

1301

BB-2011

BB-2001

BB-2041

1311

BB-4001

BB-2001-A

BB-2051

1740

BB-4003

BB-5001

BB-2051-A

1790

BB-4101

BB-5001-A

BB-4141

1793

BB-4103

BB-5101

BB-5051

1801-A

BB-4111

BB-5101-A

BB-5051-A

1821-A

BB-5151

2421

BB-5151-A

2490

2493

2495

8061

8071-A

8081

8083

Size of Machine Screws ½"x12-24 F. H.

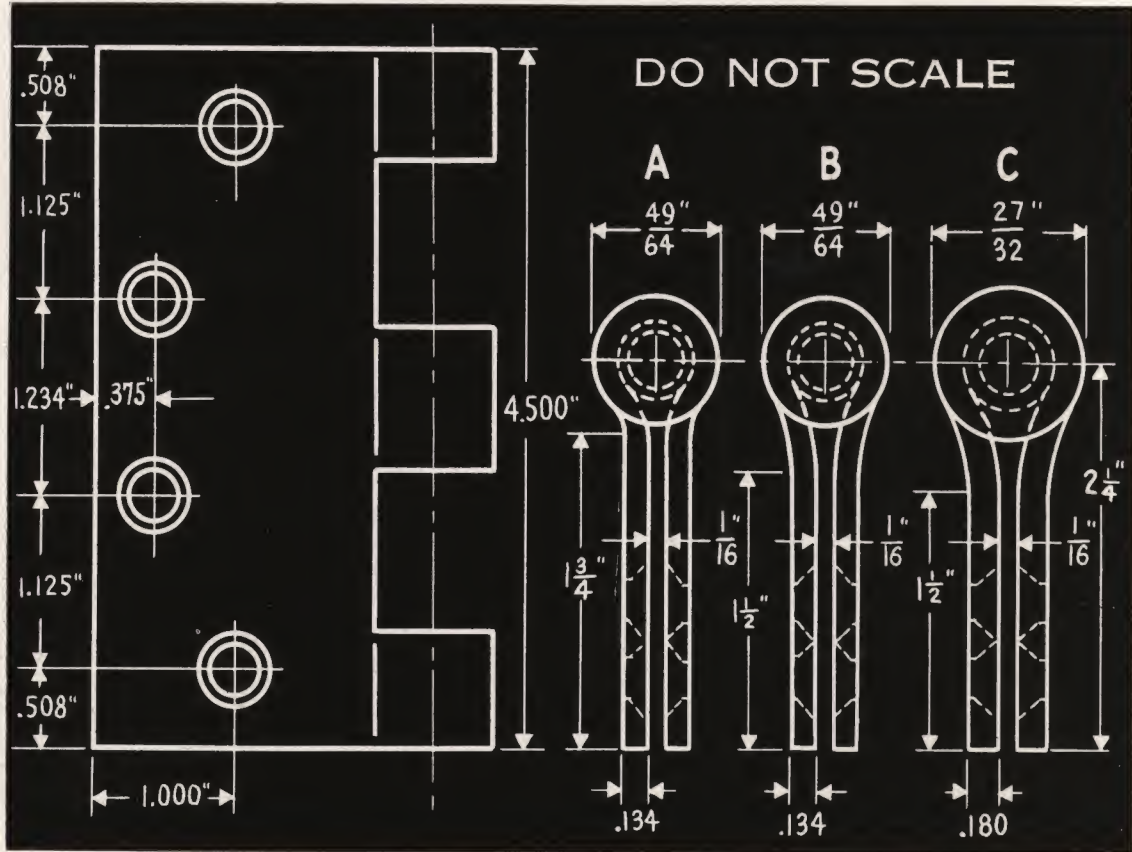
Size of Wood Screws 1¼"x12 F. H.

All template butts are packed one-half machine screws and one-half wood screws unless otherwise specified.

Full Mortise Template Butt Hinges

For Hollow Metal Doors or Wood Doors and Transoms with Pressed Steel Jambs

Sizes $4\frac{1}{2}" \times 3\frac{1}{2}"$, $4\frac{1}{2}" \times 3\frac{3}{4}"$, $4\frac{1}{2}" \times 4"$, $4\frac{1}{2}" \times 4\frac{1}{2}"$, $4\frac{1}{2}" \times 5"$



Thickness of Metal—
Ball Bearing Swaging
Per Sketch—

.134

.134

.134

.180

A

B

C

CLASS NUMBERS

1301
1311
1740
1790
1793
1801-A
1821-A
2421
2490
2493
2495

BB-2011
BB-4001
BB-4003
BB-4101
BB-4103
BB-4111

BB-2001
BB-2001-A
BB-5001
BB-5001-A
BB-5101
BB-5101-A

BB-2041.
BB-2051
BB-2051-A
BB-4141
BB-5051
BB-5051-A
BB-5151
BB-5151-A
FBB-2041
FBB-2051
FBB-4141
FBB-5051
FBB-5151

Size of Machine Screws $\frac{1}{2}" \times 12-24$ F. H.

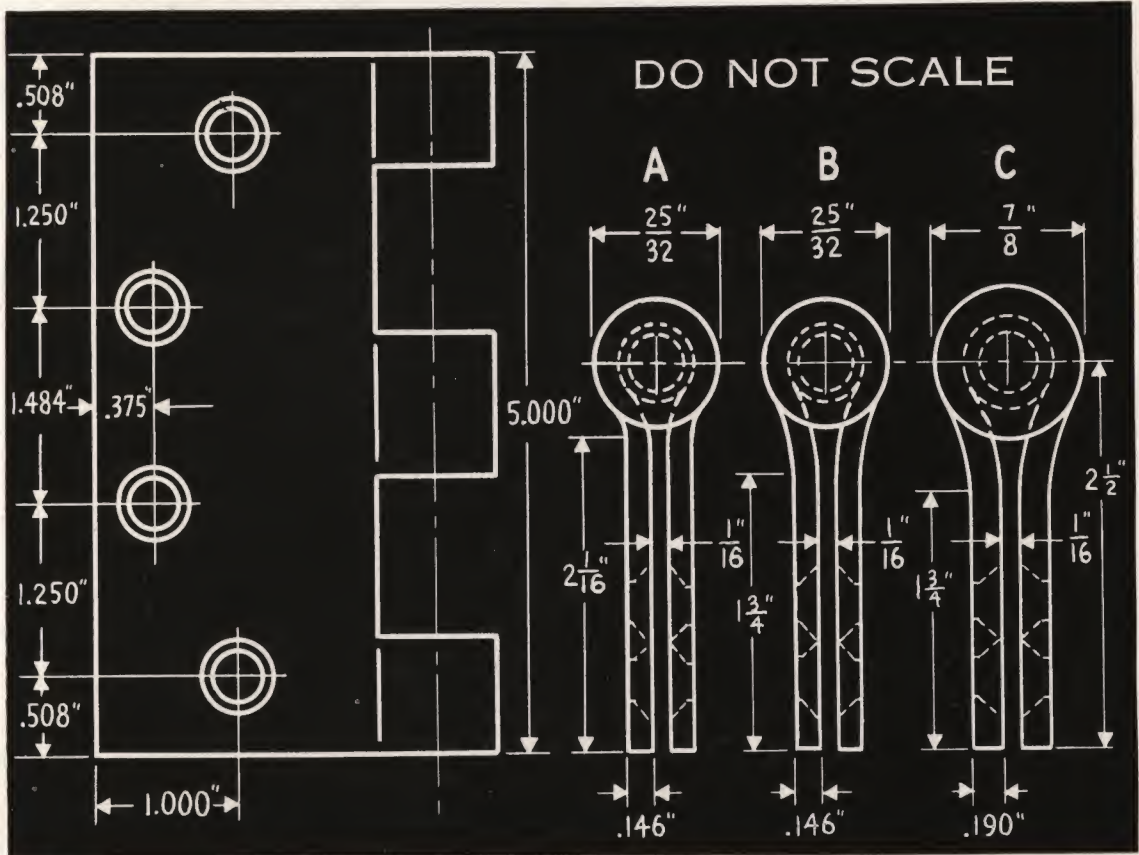
Size of Wood Screws $1\frac{1}{4}" \times 12$ F. H.

All template butts are packed one-half machine screws and one-half wood screws unless otherwise specified.

Full Mortise Template Butt Hinges

For Hollow Metal Doors or Wood Doors and Transoms with Pressed Steel Jambs

Sizes 5"x3 $\frac{3}{4}$ ", 5"x4", 5"x4 $\frac{1}{2}$ ", 5"x5", 5"x6", 5"x7", 5"x8"



Thickness of Metal—
Ball Bearing Swaging
Per Sketch—

	.146	.146	.146	.190
	A	B	C	
CLASS NUMBERS	1301 1311 1740 1790 1793 1801-A 1821-A 2421 2490 2493 2495	BB-2011 BB-4001 BB-4003 BB-4101 BB-4103 BB-4111	BB-2001 BB-2001-A BB-5001 BB-5001-A BB-5101 BB-5101-A	BB-2041 BB-2051 BB-2051-A BB-4141 BB-5051 BB-5051-A BB-5151 BB-5151-A FBB-2041 FBB-2051 FBB-4141 FBB-5051 FBB-5151

Size of Machine Screws $\frac{1}{2}$ "x12-24 F. H.

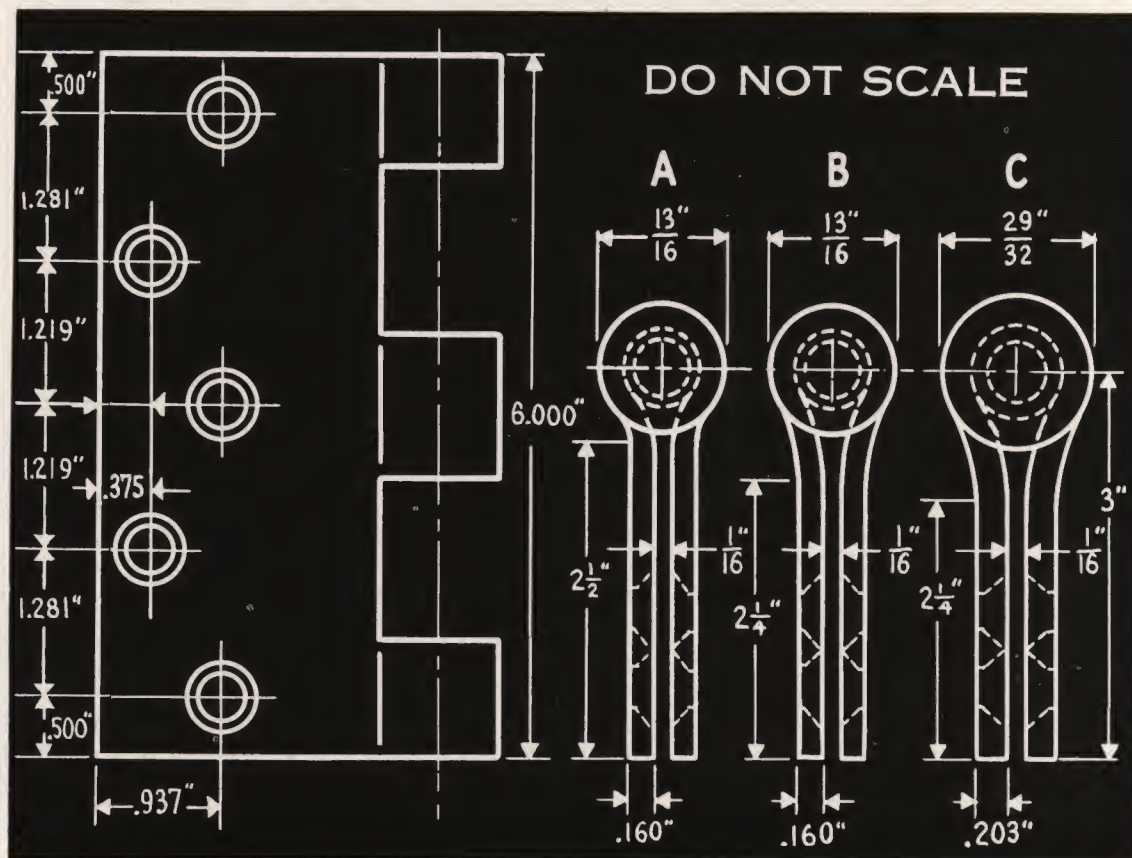
Size of Wood Screws, Regular Weight, $1\frac{1}{4}$ "x12; Extra Heavy Weight, $1\frac{1}{2}$ "x12 F. H.

All template butts are packed one-half machine screws and one-half wood screws unless otherwise specified.

Full Mortise Template Butt Hinges

For Hollow Metal Doors or Wood Doors and Transoms with Pressed Steel Jambs

Sizes 6"x4", 6"x5", 6"x6", 6"x8"



Thickness of Metal—	.160	.160	.160	.203
Ball Bearing Swaging Per Sketch—				
	A	B	C	

CLASS NUMBERS	1790	BB-4001	BB-5001	BB-2041
	1793	BB-4003	BB-5001-A	BB-2051
	2421	BB-4101	BB-5101	BB-2051-A
	2490	BB-4103	BB-5101-A	BB-4141
	2493	BB-4111		BB-5051
				BB-5051-A
				BB-5151
				BB-5151-A

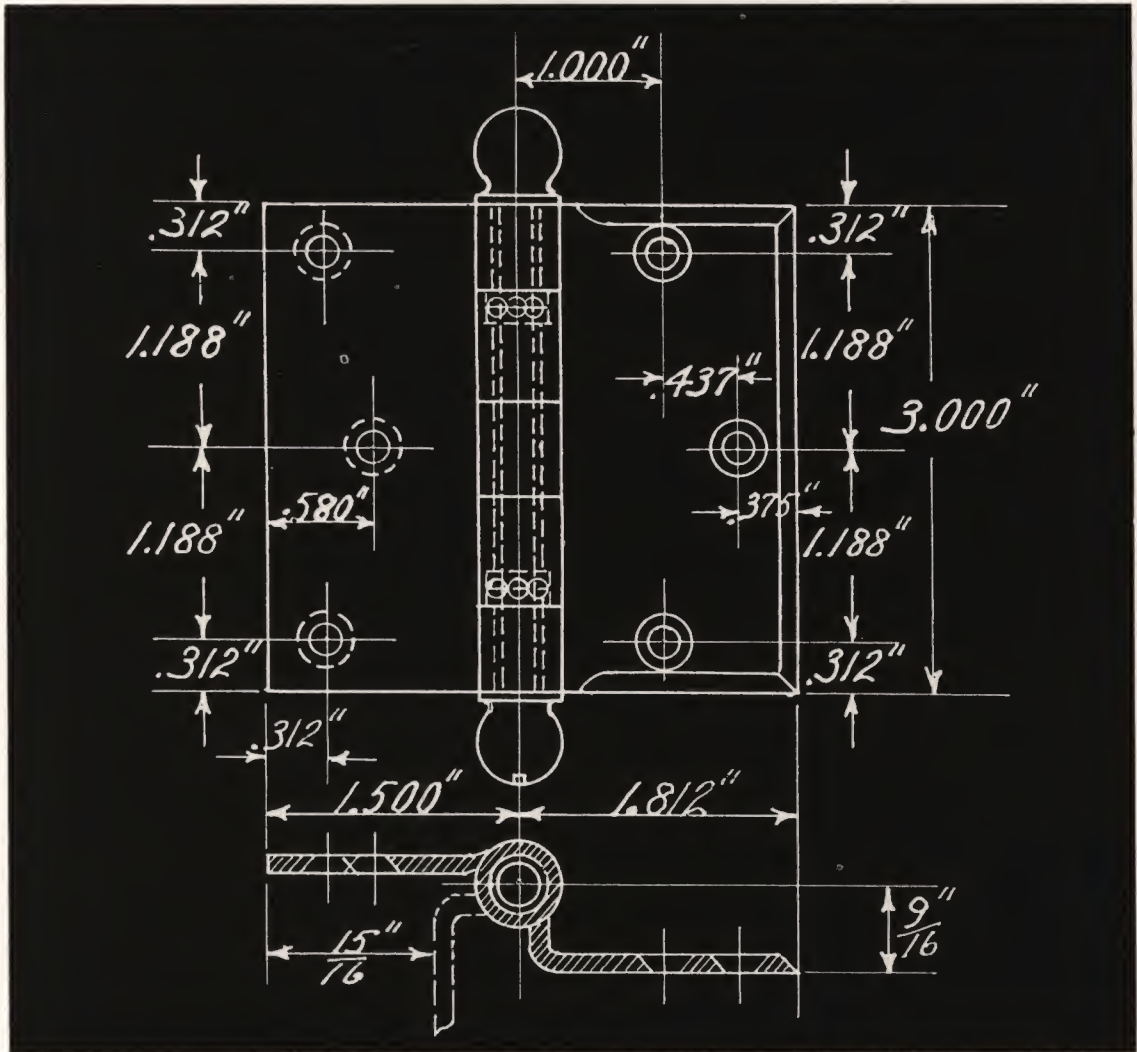
Size of Machine Screws $\frac{1}{2}$ "x $\frac{1}{4}$ "-20 F. H.

Size of Wood Screws $1\frac{1}{2}$ "x14 F. H.

All template butts are packed one-half machine screws and one-half wood screws unless otherwise specified.

Half Surface Template Butt Hinges

For Kalamein Doors with Pressed Steel Jambs
Size 3"



Thickness of Metal—

.092

CLASS NUMBERS

346

366

BB-2301

BB-2301-A

BB-2311

BB-4301

BB-4303

BB-4401

BB-4411

BB-5301

BB-5301-A

BB-5401

BB-5401-A

Size of Machine Screws:

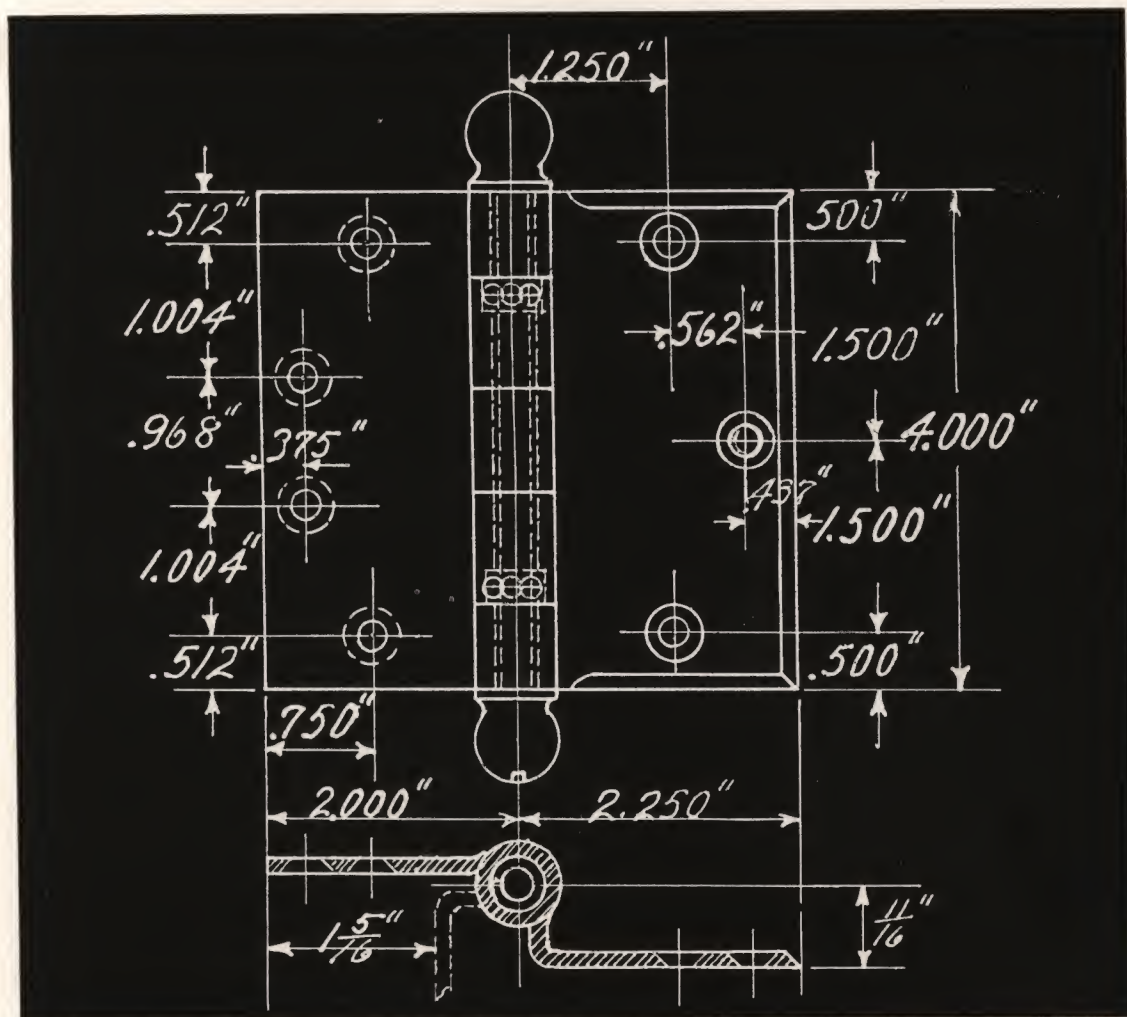
Jamb Leaf $\frac{1}{2}$ "x10-24 F. H. with No. 8 Head.

Door Leaf 1½"x10-24 O. H. with Grommet Nuts.

Half Surface Template Butt Hinges

For Kalamein Doors with Pressed Steel Jambs

Size 4"



Thickness of Metal—

.130

CLASS NUMBERS

346
366
BB-2301
BB-2301-A
BB-2311
BB-4301
BB-4303
BB-4401
BB-4411
BB-5301
BB-5301-A
BB-5401
BB-5401-A

Size of Machine Screws:

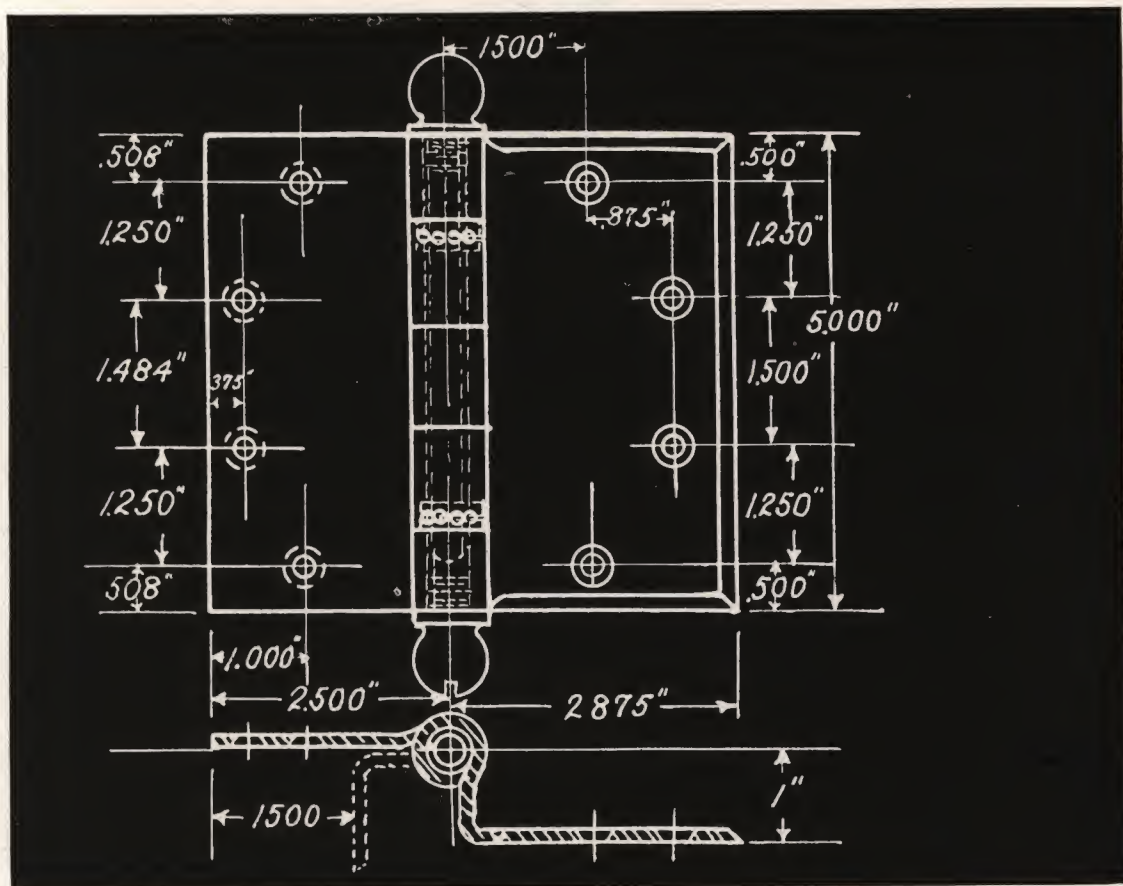
Jamb Leaf $\frac{1}{2}$ " x 12-24 F. H.

Door Leaf 2" x $\frac{1}{4}$ "-20 O. H. with Grommet Nuts.

Half Surface Template Butt Hinges

For Kalamein Doors with Pressed Steel Jambs

Size 5"



Thickness of Metal—

.146

.190

CLASS NUMBERS

T-246	BB-2341
BB-2301	BB-2351
BB-2301-A	BB-2351-A
BB-2311	BB-4441
BB-4301	BB-5351
BB-4303	BB-5351-A
BB-4401	BB-5451
BB-4411	BB-5451-A
BB-5301	
BB-5301-A	
BB-5401	
BB-5401-A	

Size of Machine Screws:

Jamb Leaf $\frac{1}{2}$ "x12-24 F. H. for Regular and Extra Heavy.

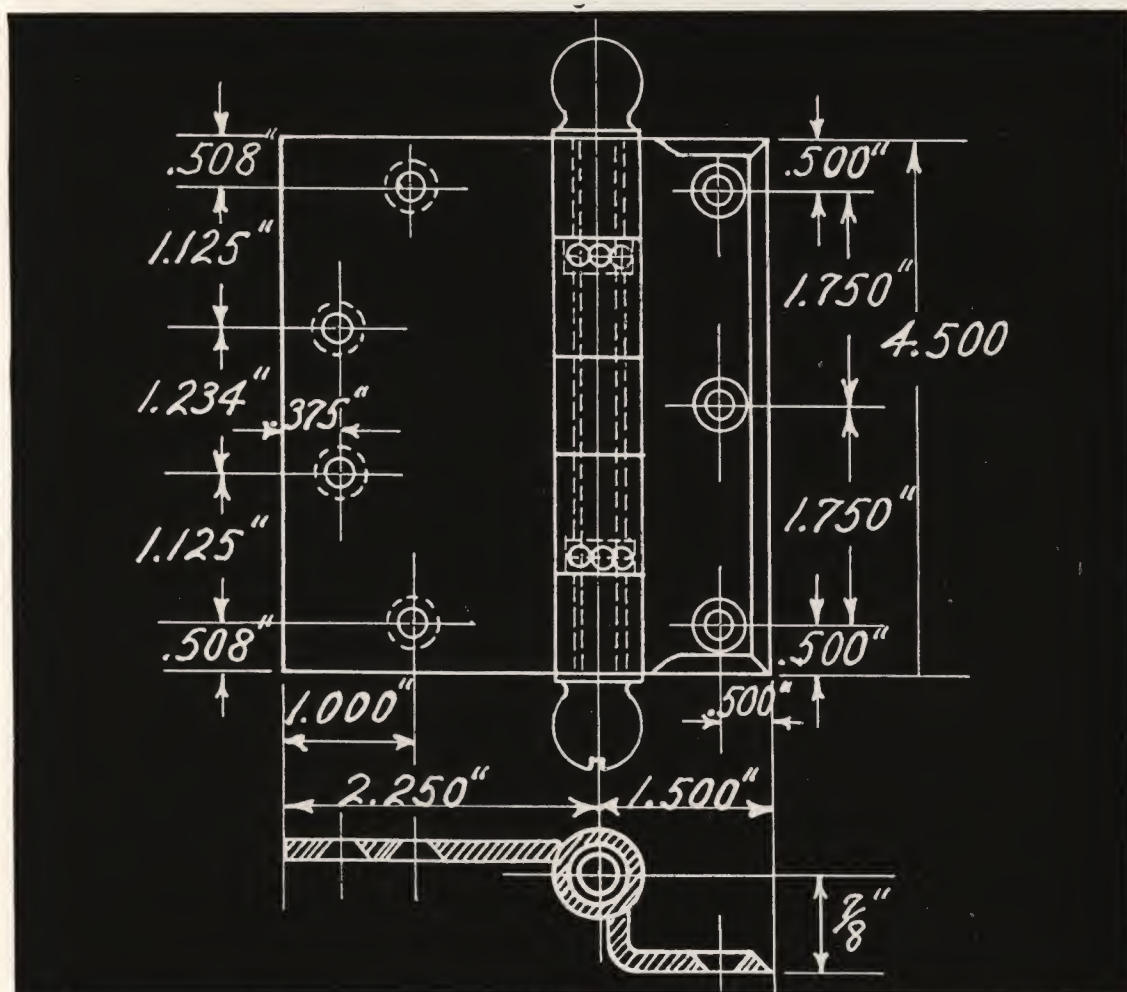
Door Leaf Regular Weight 2"x $\frac{1}{4}$ "-20 O. H. with Grommet Nuts.

Door Leaf Extra Heavy 2 $\frac{1}{4}$ "x $\frac{1}{4}$ "-20 O. H. with Grommet Nuts.

Half Mortise Template Butt Hinges

For Hollow Metal or Wood Doors with Channel Iron Jambs

Size $4\frac{1}{2}"$



Thickness of Metal—

.134

.180

CLASS NUMBERS

BB-2511
BB-2531
BB-2531-A
BB-4531
BB-6531
BB-6531-A
BB-6621

BB-2541
BB-2551
BB-2551-A
BB-6551
BB-6551-A
BB-6641

Size of Machine Screws:

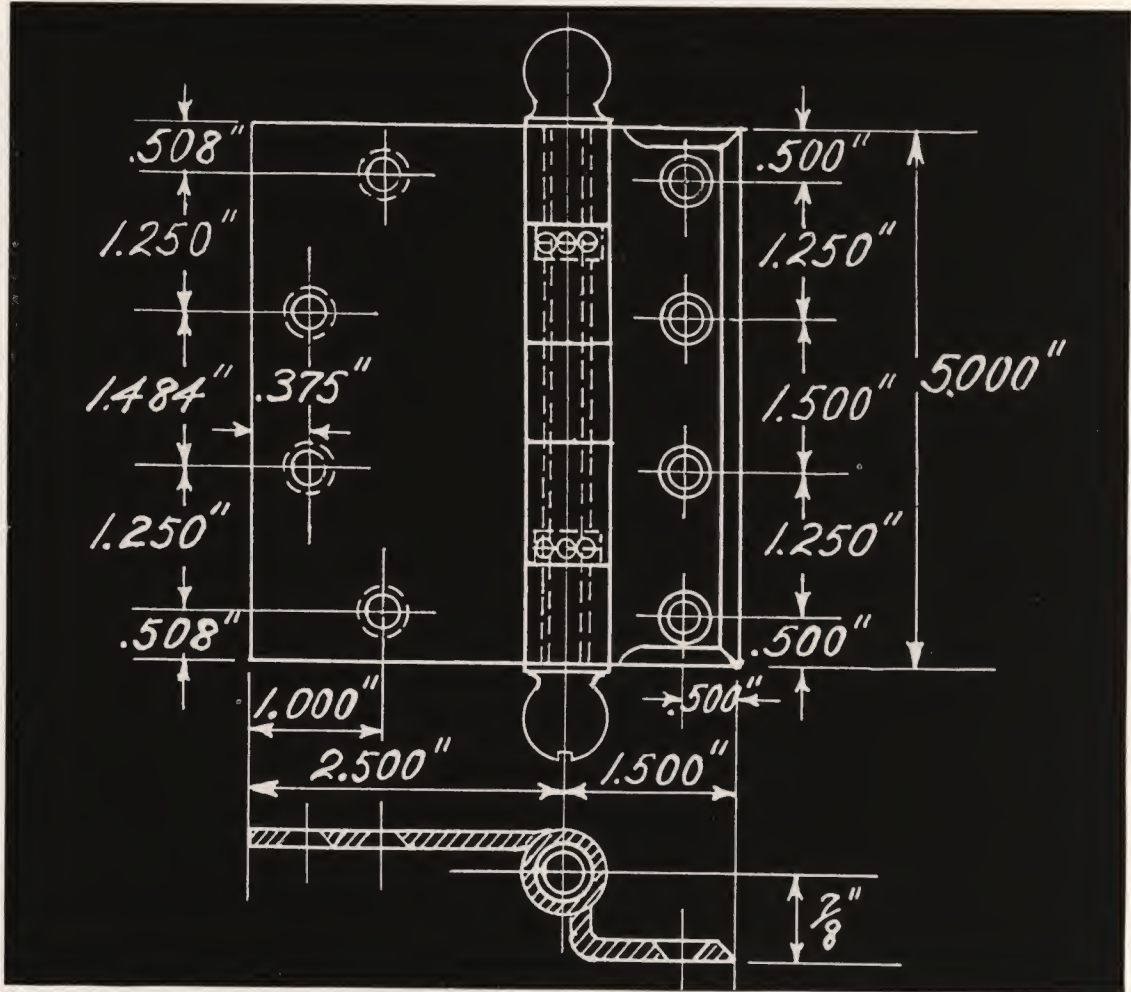
Jamb Leaf $\frac{1}{2}" \times 12-24$ O. H.

Door Leaf $\frac{1}{2}" \times 12-24$ F. H.

Half Mortise Template Butt Hinges

For Hollow Metal or Wood Doors with Channel Iron Jambs

Size 5"



Thickness of Metal—

.146

.190

CLASS NUMBERS

BB-2511

BB-2541

BB-2531

BB-2551

BB-2531-A

BB-2551-A

BB-4531

BB-6551

BB-6531

BB-6551-A

BB-6531-A

BB-6641

BB-6621

Size of Machine Screws:

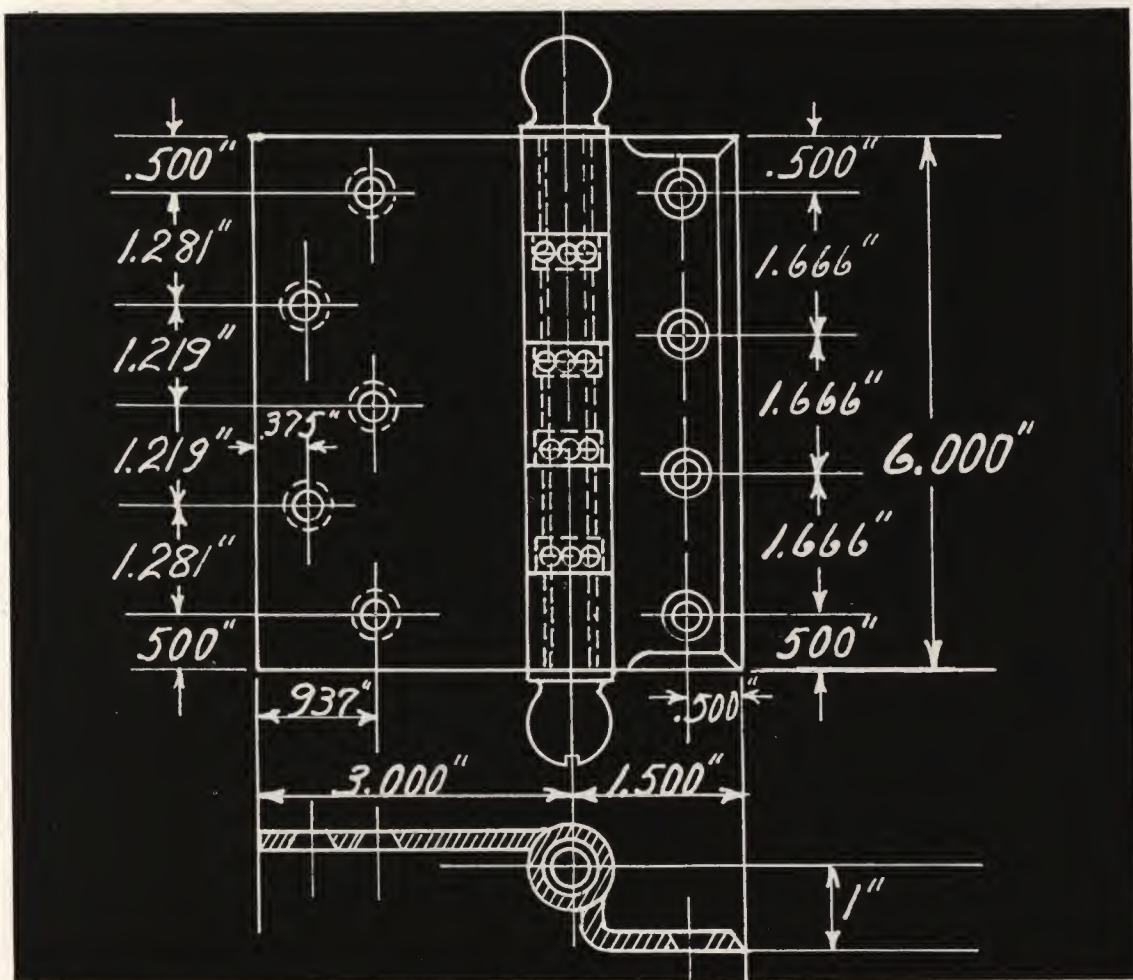
Jamb Leaf $\frac{1}{2}$ "x12-24 O. H.

Door Leaf $\frac{1}{2}$ "x12-24 F. H.

Half Mortise Template Butt Hinges

For Hollow Metal or Wood Doors with Channel Iron Jambs

Size 6"



Thickness of Metal—

.203

CLASS NUMBERS

BB-2541
BB-2551
BB-2551-A
BB-6551
BB-6551-A
BB-6641

Size of Machine Screws:

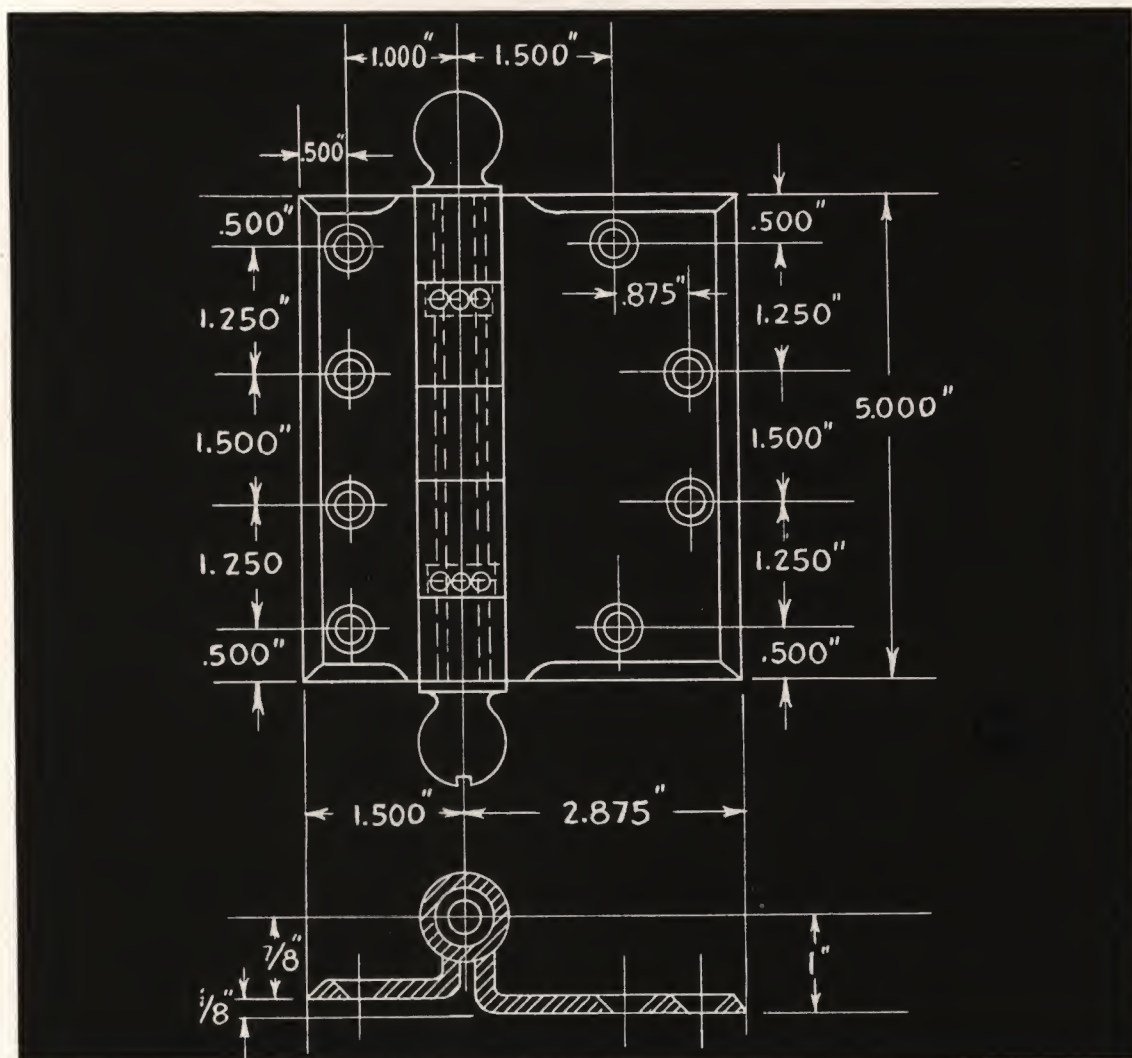
Jamb Leaf $\frac{1}{2}'' \times \frac{1}{4}'' - 20$ O. H.

Door Leaf $\frac{1}{2}'' \times \frac{1}{4}'' - 20$ F. H.

Full Surface Template Hinges

For Kalamein Doors with Channel Iron Jambs

Size 5"



Thickness of Metal—

.146

.190

CLASS NUMBERS

BB-2101
BB-2101-A
BB-2111
BB-6301
BB-6303
BB-6303-A
BB-6411

BB-2141
BB-2151
BB-2151-A
BB-6351
BB-6351-A
BB-6441

Size of Machine Screws:

Jamb Leaf $\frac{1}{2}$ "x12-24 O. H.

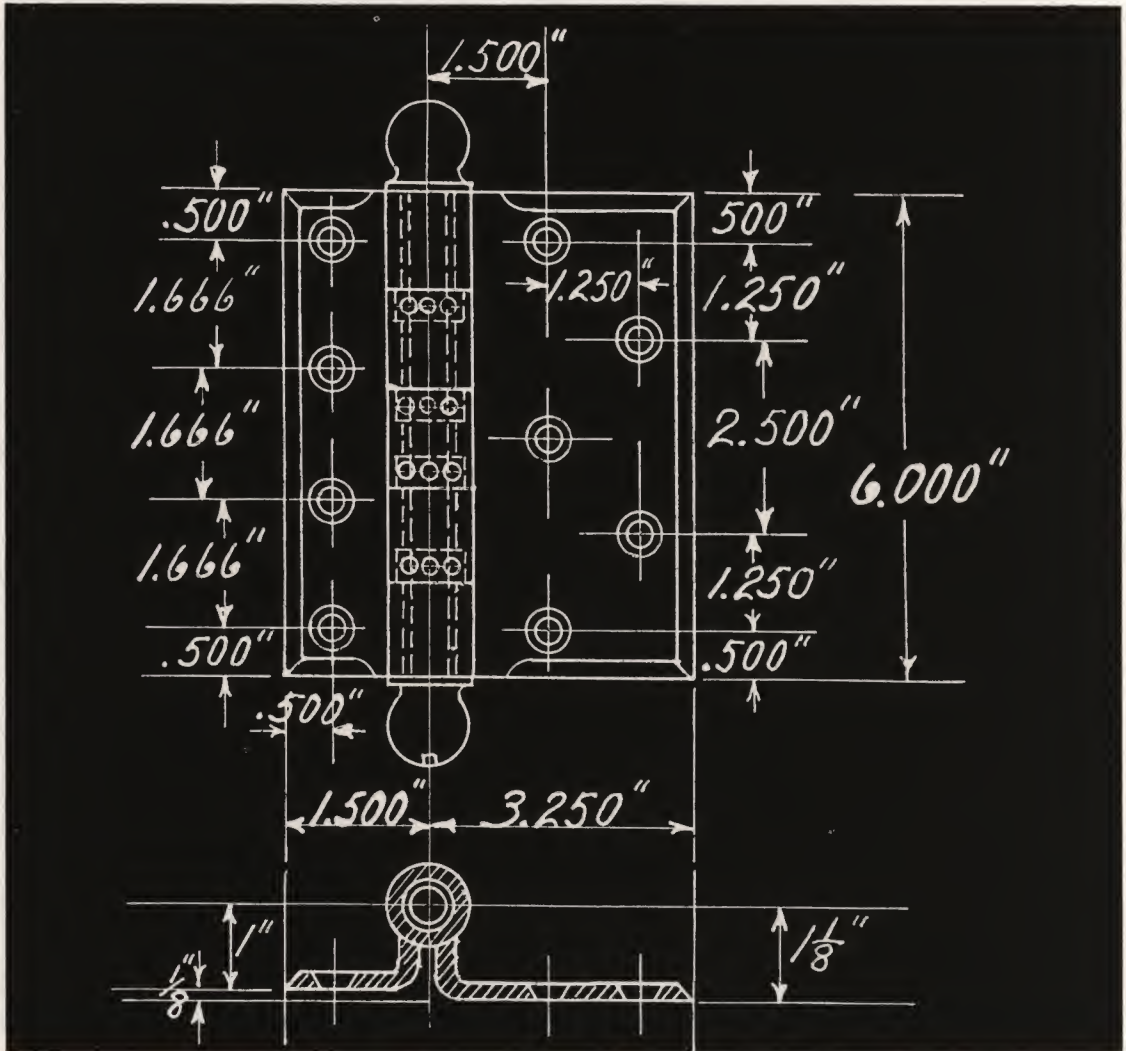
Door Leaf Regular Weight 2"x $\frac{1}{4}$ "-20 O. H. with Grommet Nuts.

Door Leaf Extra Heavy Weight 2 $\frac{1}{4}$ "x $\frac{1}{4}$ "-20 O. H. with Grommet Nuts.

Full Surface Template Hinges

For Kalamein Doors with Channel Iron Jambs

Size 6"



Thickness of Metal—

.203

CLASS NUMBERS

BB-2141
BB-2151
BB-2151-A
BB-6351
BB-6351-A
BB-6441

Size of Machine Screws:

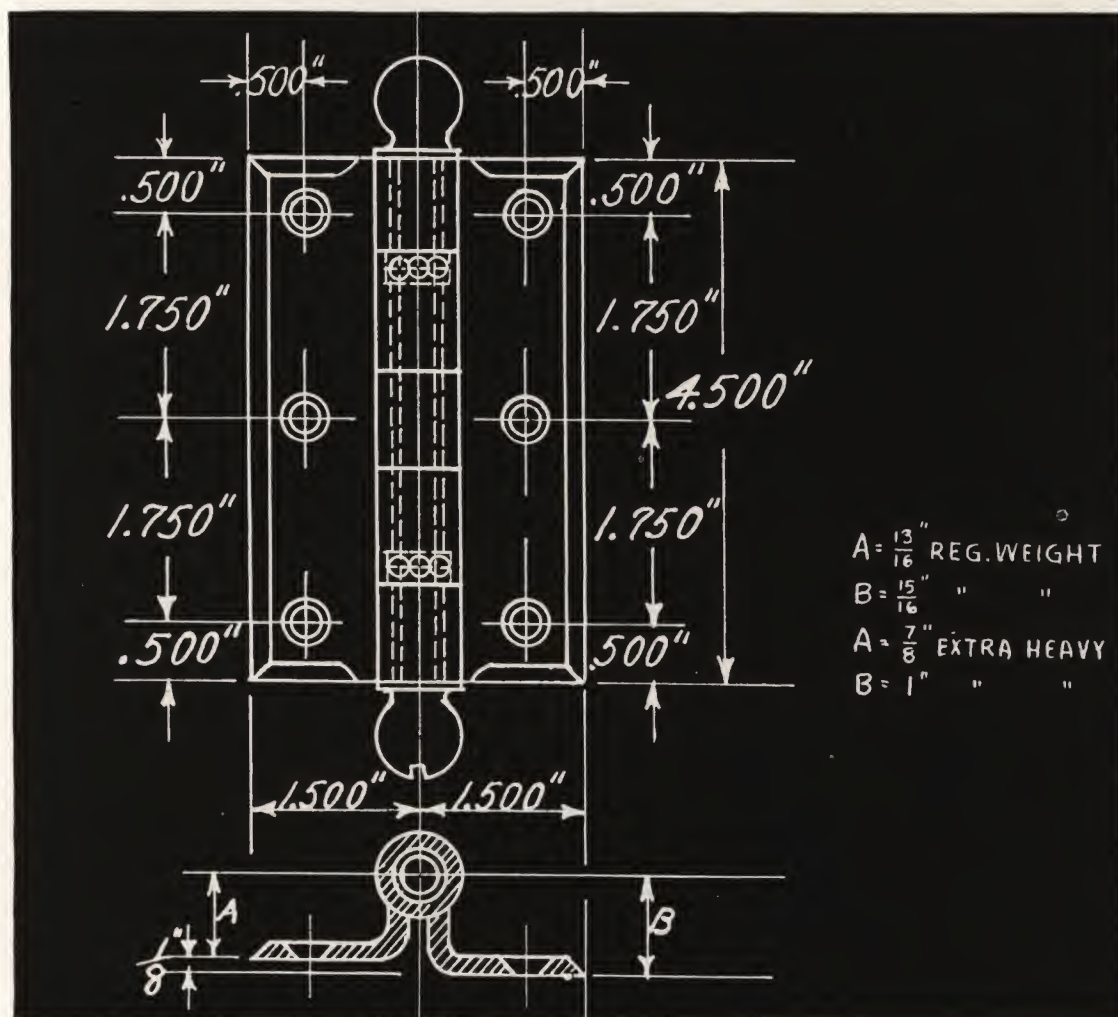
Jamb Leaf $\frac{1}{2}$ " x $\frac{1}{4}$ "-20 O. H.

Door Leaf $2\frac{3}{4}$ " x $\frac{1}{4}$ "-20 O. H. with Grommet Nuts.

Full Surface Template Hinges

For Angle Iron Frame Doors with Channel Iron Jambs

Size 4½"



Thickness of Metal—

.134

.180

CLASS NUMBERS

BB-6701
BB-6701-A
BB-6811

BB-2741
BB-2751
BB-2751-A
BB-6751
BB-6751-A
BB-6841

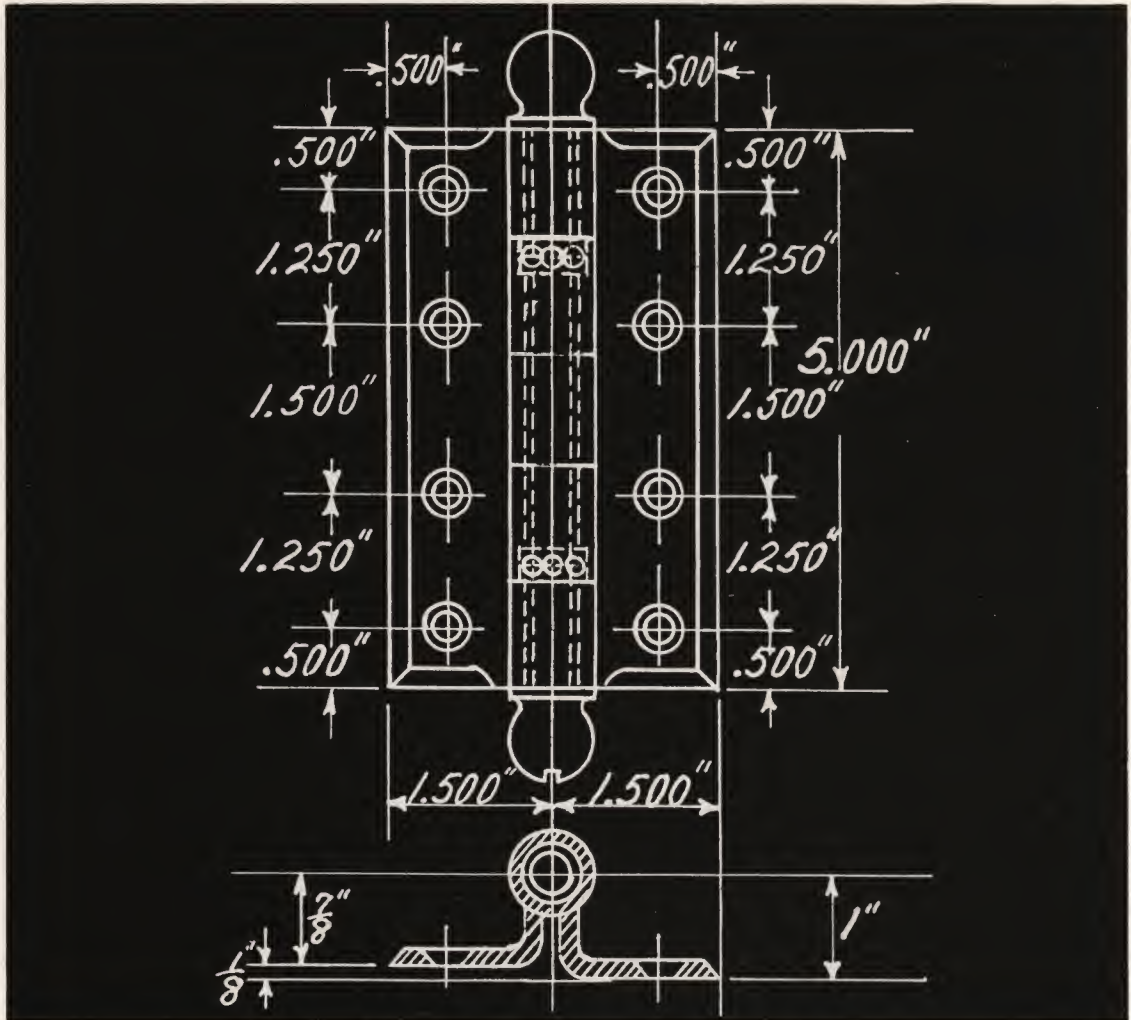
Size of Machine Screws:

Jamb Leaf $\frac{1}{2}$ "x12-24 O. H.

Door Leaf $\frac{1}{2}$ "x12-24 O. H.

Full Surface Template Hinges

**For Angle Iron Frame Doors with Channel Iron Jambs
Size 5"**



Thickness of Metal—

.146

.190

CLASS NUMBERS

BB-6701
BB-6701-A
BB-6811

BB-2741
BB-2751
BB-2751-A
BB-6751
BB-6751-A
BB-6841

Size of Machine Screws:

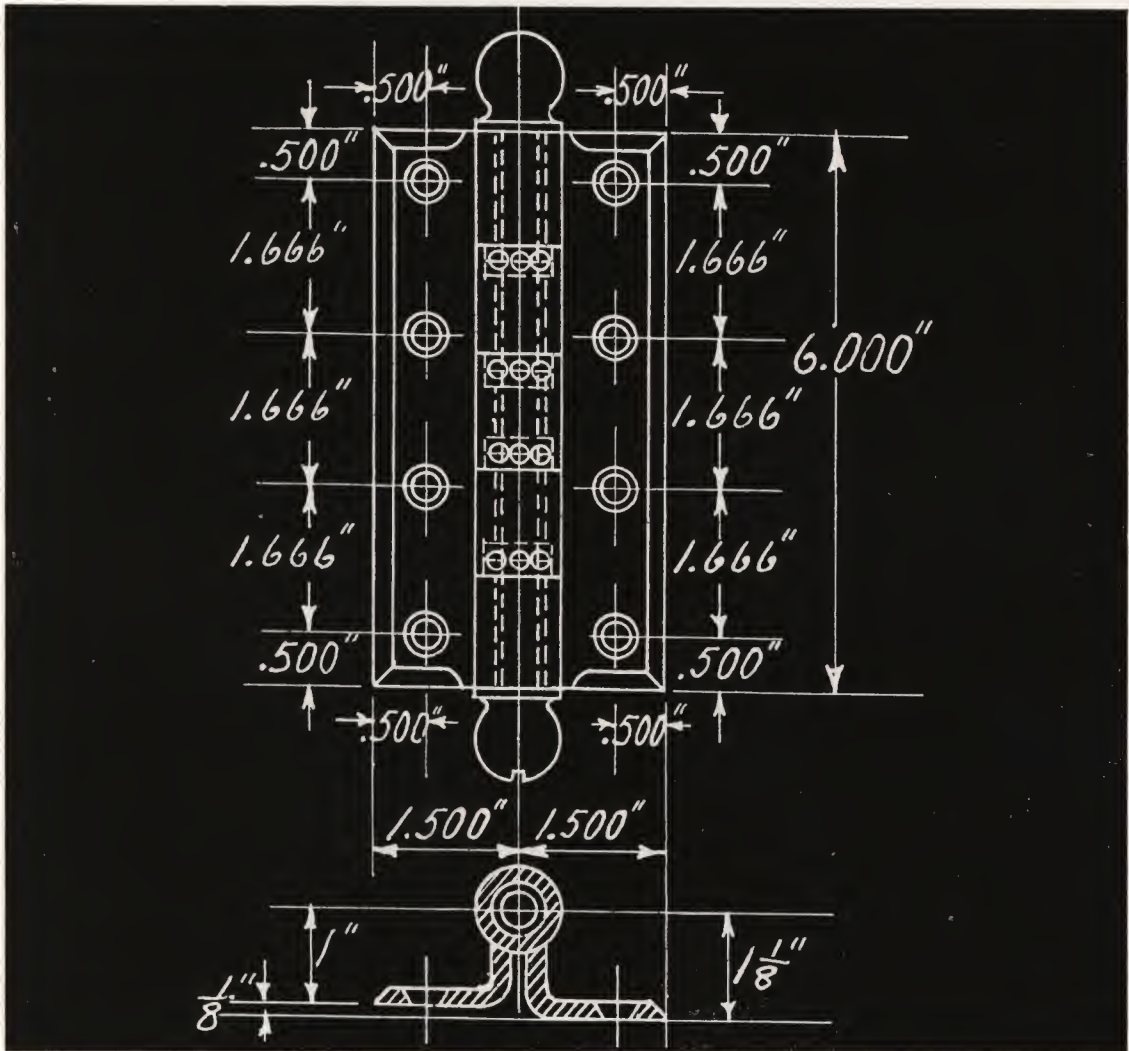
Jamb Leaf 1/2"x12-24 O. H.

Door Leaf $1\frac{1}{2}'' \times 12-24$ O. H.

Full Surface Template Hinges

For Angle Iron Frame Doors with Channel Iron Jambs

Size 6"



Thickness of Metal—

.203

CLASS NUMBERS

BB-2741
BB-2751
BB-2751-A
BB-6751
BB-6751-A
BB-6841

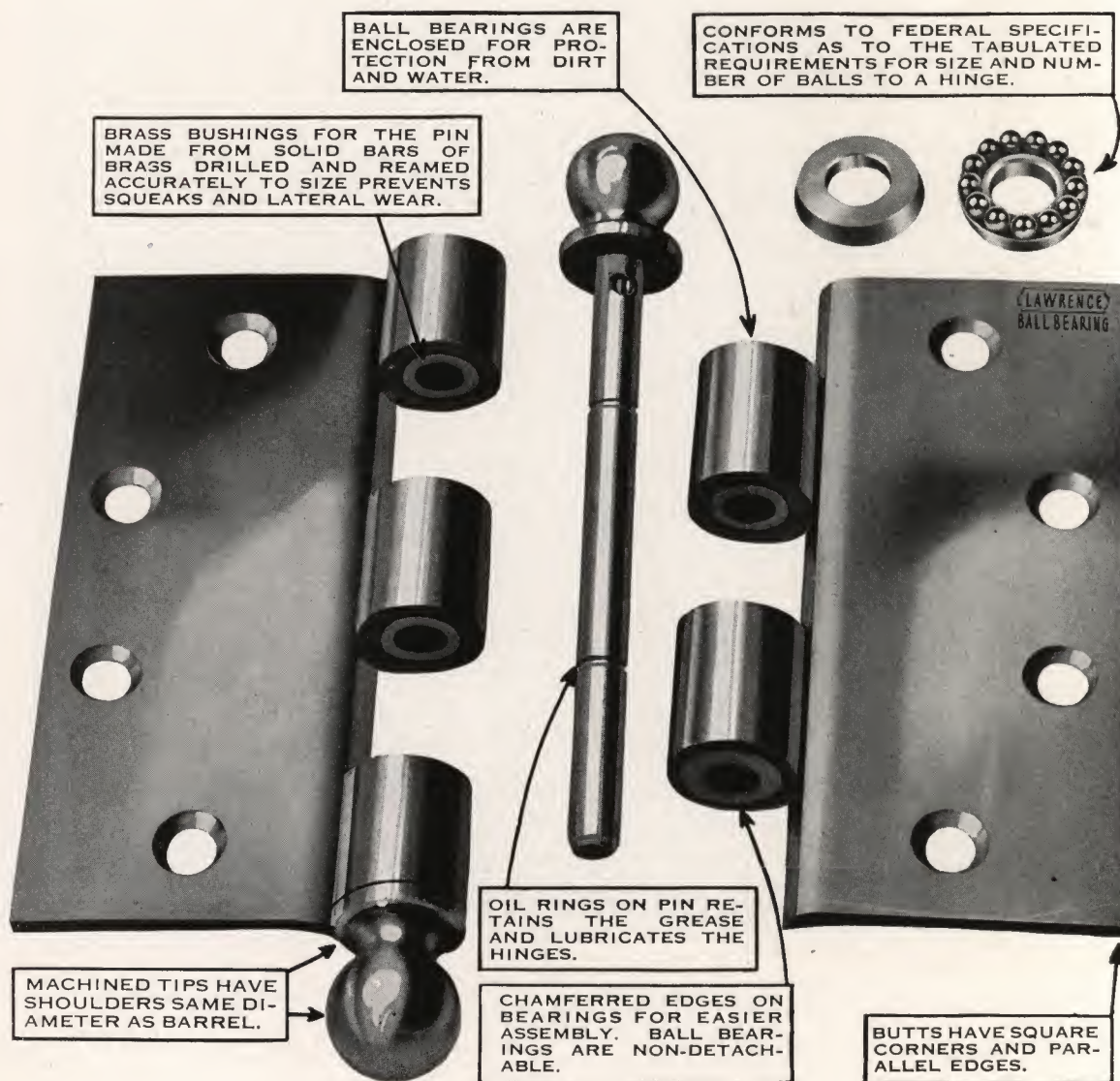
Size of Machine Screws:

Jamb Leaf 1/2"x1/4"-20 O. H.

Door Leaf 1/2"x1/4"-20 O. H.

A Better Ball Bearing Hinge

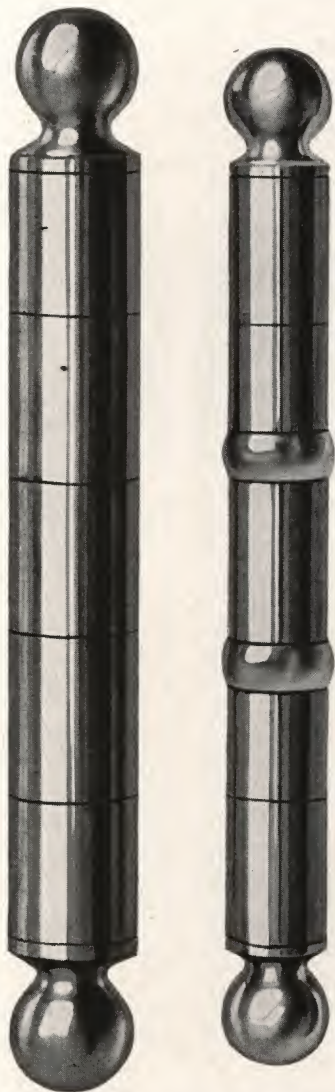
Lawrence Ball Bearing Hinge Construction is Patented.



SIZE AND NUMBER OF BALLS

Size, Length of Joint	3"	3½"	4"	4½"	5"	6"
Number of Balls in each Race	17	12	10	13	13	13
Diameter of Balls, inches	1/8	3/32	1/8	1/8	1/8	1/8

We Call Your Attention To These Features



Cuts of new and old style Ball Bearing Butt Hinges, showing larger barrel of the improved hinge and its freedom from projecting mechanisms. Both cuts are of 4" size.

1—APPEARANCE:

No bulging mechanism spoils the perfect symmetrical appearance of these butts. The increased knuckle size makes possible a fineness of alignment heretofore impossible and gives a substantial massive appearance exactly in keeping with the finest work. The improvement in this respect has been especially appreciated by architects working on public buildings who have needed a hinge to carry out the impression of security and durability they have drawn into their other architectural details.

2—DURABILITY:

One glance at the larger bearing areas and full size bearings confirms the impression first made by the larger knuckles. Balls are of tool steel and raceways are case hardened. For the first time adequate provision is made for lateral wear. The heavy pin is bushed throughout its length with heavy brass bushings. Due to methods of retaining ball races in older types of ball bearing butts it was practically impossible to oil these bearings once they were out of the manufacturers' hands. The bearings on this butt are open to the pin and a drop of oil on the pin will always find its way to the bearings on this new hinge.

3—QUIET OPERATION:

To the large bearings and unique lubrication system of this butt we have added a distinctive feature to insure quiet operation throughout its life. This is the brass bushing of the pin. A steel pin, especially if allowed to work without lubrication, is apt to squeak and wear badly on a steel knuckle. The brass bushings stop the noise and the greater part of the wear.

4—CLEANLINESS:

The bulging bearings of other types were always dust catchers. Attempts to oil them made them worse in this respect. In the case of brass butts, which were polished, the polish caught in the cracks of the bearing housings. This new butt presents a smooth surface, free from dust catching planes and easily wiped off or polished.

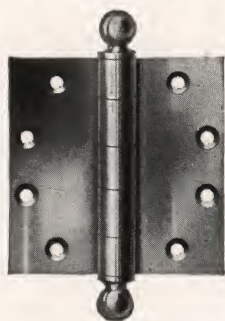
5—EASE OF ASSEMBLY:

Edges of ball raceways are chamfered so that the butt always slides together smoothly and easily when the door is hung. This feature allows us to work to closer limits on the knuckles and improves the appearance of the butt. All bearings are permanently locked in place so that they cannot be lost when the butt is taken apart.

Extra Heavy Template Ball Bearing Butt Hinges

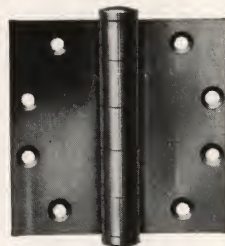
For Hollow Metal Doors or Wood Doors with Pressed Steel Jambs

Five Knuckle



No. BB5051-A No. BB5051

Non-Rising Loose Pin



No. BB5151-A No. BB5151
No. BB4141

Ball Tip

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge except size 4" x 4" which has two.

Screw holes are located accurately to standard template.

No. BB5051-A (U. S. Govt. Type No. 2002-T) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins with Brass Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5051 (U. S. Govt. Type No. 2011-T) (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

Button Tip

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge except size 4" x 4" which has two.

Screw holes are located accurately to standard template.

No. BB5151-A (U. S. Govt. Type No. 2002½-T) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins with Brass Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5151 (U. S. Govt. Type No. 2011½-T) (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4141 (U. S. Govt. Type No. 2011½-PT) (Extra Heavy), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with one-half machine screws and one-half wood screws unless otherwise specified.

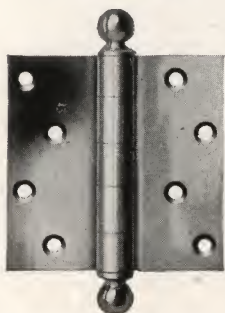
Size Open	Gauge of Metal	Quantity and Size of Screws, Each		Weight per Pair with Screws
		F. H. Machine	F. H. Wood	
4" x 4"	.170	4—½x12-24	4—1¼x12	2 lbs. 13 oz.
4½" x 4½"	.180	4—½x12-24	4—1¼x12	4 lbs.
5" x 5"	.190	4—½x12-24	4—1½x12	4 lbs. 13 oz.
6" x 6"	.203	5—½x¼-20	5—1½x14	6 lbs. 6 oz.

For list of finishes see Page 9.

Extra Heavy Weight Non-Template Ball Bearing Butt Hinges

For Wood Doors with Wood Jambs

Five Knuckle



No. BB5050-A No. BB5050

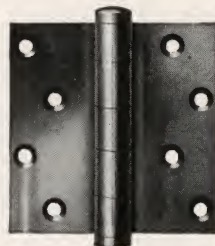
Ball Tip

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge except size 4"x4" which has two.

No. BB5050-A (U. S. Govt. Type No. 2002) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins with Brass Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints. For hollow metal or Kalamein doors use No. BB5051-A shown on Page 42.

No. BB5050 (U. S. Govt. Type No. 2011) (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints. For hollow metal or Kalamein doors use No. BB5051 shown on Page 42.

Non-Rising Loose Pin



No. BB5150-A No. BB5150
No. BB4140

Button Tip

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge except size 4"x4" which has two.

No. BB5150-A (U. S. Govt. Type No. 2002½) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins with Brass Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints. For hollow metal or Kalamein doors use No. BB5151-A shown on Page 42.

No. BB5150 (U. S. Govt. Type No. 2011½) (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints. For hollow metal or kalamein doors use No. BB5151 shown on Page 42.

No. BB4140 (U. S. Govt. Type No. 2011½-P) (Extra Heavy), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint. For hollow metal or kalamein doors use No. BB4141 shown on Page 42.

Packed one pair in a box with wood screws.

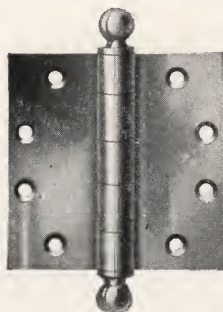
Size Open	Gauge of Metal	Quantity and Size of F. H. Wood Screws, Each	Weight per Pair with Screws
4" x4"	.170	8—1¼x12	2 lbs. 12 oz.
4½" x4½"	.180	8—1¼x12	3 lbs. 4 oz.
5" x5"	.190	10—1½x12	4 lbs. 10 oz.
6" x6"	.203	10—1½x12	6 lbs. 7 oz.

For list of finishes see Page 9.

Template Ball Bearing Butt Hinges

For Hollow Metal Doors or Wood Doors with Pressed Steel Jambs

Five Knuckle



No. BB5001-A No. BB5001
No. BB4003 No. BB4001

Ball Tip

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

Screw holes are located accurately to standard template.

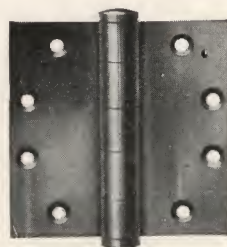
No. BB5001-A (U. S. Govt. Type No. 2001-T), Wrought Brass Metal, Stainless Steel Pins with Brass Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5001 (U. S. Govt. Type No. 2010-BT), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4003 Cold Rolled Steel, **Polished and Plated**. Inner edges of leaves are not beveled.

No. BB4001 Cold Rolled Steel, **Planished and Plated**. Inner edges of leaves are not beveled.

Non-Rising Loose Pin



No. BB5101-A No. BB5101
No. BB4103 No. BB4101
No. BB4111

Button Tip

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

Screw holes are located accurately to standard template.

No. BB5101-A (U. S. Govt. Type No. 200. 1/2-T), Wrought Brass Metal, Stainless Steel Pins with Brass Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5101 (U. S. Govt. Type No. 2010 1/2-T), Cold Rolled Steel, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4103 Cold Rolled Steel, **Polished and Plated**. Inner edges of leaves are not beveled.

No. BB4101 (U. S. Govt. Type No. 2010 1/2-T), Cold Rolled Steel, **Planished and Plated**. Inner edges of leaves are not beveled.

No. BB4111 (U. S. Govt. Type No. 2010 1/2-PT), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with one-half machine screws and one-half wood screws unless otherwise specified.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each		Weight per Pair with Screws
		F. H. Machine	F. H. Wood	
3" x 3"	.092	3—1/2x10-24*	3—1 x 8	1 lb.
3 1/2" x 3 1/2"	.123	3—1/2x10-24	3—1 x 10	1 lb. 8 oz.
4" x 4"	.130	4—1/2x12-24	4—1 1/4x12	2 lbs. 1 oz.
4 1/2" x 4 1/2"	.134	4—1/2x12-24	4—1 1/4x12	3 lbs. 1 oz.
5" x 5"	.146	4—1/2x12-24	4—1 1/4x12	3 lbs. 14 oz.
6" x 6"	.160	5—1/2x1 1/4-20	5—1 1/2x14	5 lbs. 5 oz.

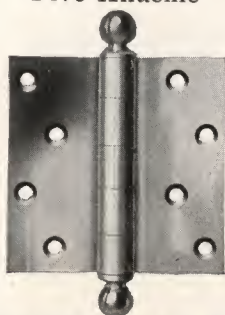
*No. 8 Head.

For list of finishes see Page 9.

Non-Template Ball Bearing Butt Hinges

For Wood Doors with Wood Jambs

Five Knuckle



No. BB5000-A
No. BB4002

No. BB5000
No. BB4000

Ball Tip

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

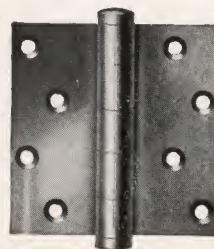
No. BB5000-A (U. S. Govt. Type No. 2001), Wrought Brass Metal, Stainless Steel Pins with Brass Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5000 (U. S. Govt. Type No. 2010-B), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4002 Cold Rolled Steel, **Polished and Plated**. Inner edges of leaves are not beveled.

No. BB4000 (U. S. Govt. Type No. 2010), Cold Rolled Steel, **Planished and Plated**. Inner edges of leaves are not beveled.

Non-Rising Loose Pin



No. BB5100-A
No. BB4102

No. BB5100
No. BB4100

No. BB4110

Button Tip

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB5100-A (U. S. Govt. Type No. 2001½), Wrought Brass Metal, Stainless Steel Pins with Brass Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5100 (U. S. Govt. Type No. 2010½-B), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4102 Cold Rolled Steel, **Polished and Plated**. Inner edges of leaves are not beveled.

No. BB4100 (U. S. Govt. Type No. 2010½), Cold Rolled Steel, **Planished and Plated**. Inner edges of leaves are not beveled.

No. BB4110 (U. S. Govt. Type No. 2010½-P), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with wood screws.

Size Open	Gauge of Metal	Quantity and Size of F. H. Wood Screws Each	Weight per Pair with Screws
3" x 3"	.092	6— 7/8 x 9	1 lb.
3½" x 3½"	.123	6—1 x 9	1 lb. 8 oz.
4" x 4"	.130	8—1 x 10	2 lbs. 1 oz.
4½" x 4½"	.134	8—1¼ x 12	2 lbs. 15 oz.
5" x 5"	.146	10—1¼ x 12	3 lbs. 11 oz.
6" x 6"	.160	10—1½ x 14	5 lbs. 7 oz.

Butt hinges for wide throw and for folding doors.

Numbers BB4000, BB4100 and BB4110

3½" x 5"	.123	6—1 x 9	1 lb. 14 oz.
4" x 5"	.130	8—1 x 10	2 lbs. 10 oz.
4" x 6"	.130	8—1 x 10	2 lbs. 12 oz.
4½" x 6"	.134	8—1¼ x 12	3 lbs. 12 oz.
5" x 7"	.146	10—1¼ x 12	4 lbs. 8 oz.
5" x 8"	.146	10—1¼ x 12	5 lbs. 2 oz.

For list of finishes see Page 9.

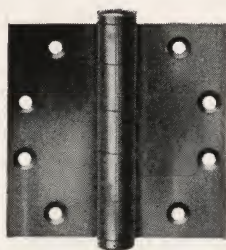
Stainless Steel Ball Bearing Butt Hinges

For Applications Where a Corrosion Resistant Metal is Required

Five Knuckle

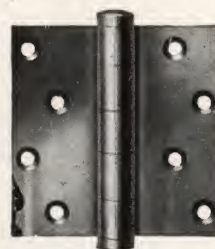
Button Tip

Non-Rising Loose Pin



BB5151-SS

BB5101-SS



BB5150-SS

BB5100-SS

POLISHED or SATIN STAINLESS STEEL FINISH

Inner edges of leaves are beveled to make close fitting joints.

TEMPLATE

Screw holes are located accurately to standard template.

For hollow metal doors or wood doors with pressed steel jambs.

No. BB5151-SS (Extra Heavy). Stainless steel, with stainless steel pins and button tips, brass bushed throughout length of pin, with four Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB5101-SS (Regular Weight). Stainless steel, with stainless steel pins and button tips, brass bushed throughout length of pin, with two Lawrence non-detachable concealed ball bearing races in each hinge.

Packed one pair in a box with all stainless steel machine screws unless otherwise specified.

NON-TEMPLATE

For wood doors with wood jambs.

No. BB5150-SS (Extra Heavy). Stainless steel, with stainless steel pins and button tips, brass bushed throughout length of pin, with four Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB5100-SS (Regular Weight). Stainless steel, with stainless steel pins and button tips, brass bushed throughout length of pin, with two Lawrence non-detachable concealed ball bearing races in each hinge.

Packed one pair in a box with stainless steel wood screws.

EXTRA HEAVY

Size, Open	Gauge of Metal	TEMPLATE	NON-TEMPLATE	Weight per Pair with Screws
		Quantity and Size of Screws, Each F. H. Machine	Quantity and Size of Screws, Each F. H. Wood	
4½" x 4½"	.180	8—½x12-24	8—1¼x12	4 lbs.
5" x 5"	.190	8—½x12-24	10—1½x12	4 lbs. 13 oz.

REGULAR WEIGHT

4" x 4"	.130	8—½x12-24	8—1 x10	3 lbs. 1 oz.
4½" x 4½"	.134	8—½x12-24	8—1¼x12	3 lbs. 1 oz.
5" x 5"	.146	8—½x12-24	10—1½x12	3 lbs. 14 oz.

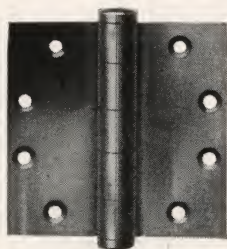
Stainless steel hinges are not carried in stock and are available on special order only.

Aluminum Template Ball Bearing Butt Hinges

For application where an aluminum hinge is required to complete an all aluminum installation for hanging aluminum doors for store entrances, etc.

Five Knuckle

Non-Rising Loose Pin



No. BB5151-AL No. BB5101-AL
Button Tip

Satin Alumilite Finish only, provides a hard corrosion, stain, and abrasion resistant aluminum oxide surface.

Screw holes are located accurately to standard template.

Inner edges of leaves are beveled to make close fitting joints.

No. BB5151-AL (Extra Heavy). Made from 63S-T5 Aluminum Alloy, with stainless steel pins and aluminum button tips, brass bushed throughout length of pin, with four Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB5101-AL (Regular Weight). Made from 63S-T5 Aluminum Alloy, with stainless steel pins, and aluminum button tips, brass bushed throughout length of pin, with two Lawrence non-detachable concealed ball bearing races in each hinge.

Packed one pair in a box with aluminum recessed flat head machine screws FOR BOTH LEAVES unless otherwise specified.

EXTRA HEAVY

Size Open	Gauge of Metal	Quantity and Size of Screws, Each F. H. Machine	Weight per Pair with Screws
4½" x 4½"	.180	8—½x12-24	2 lbs. 10 oz.
5" x 5"	.190	8—½x12-24	3 lbs. 2 oz.

REGULAR WEIGHT

4" x 4"	.130	8—½x12-24	1 lb. 5 oz.
4½" x 4½"	.134	8—½x12-24	2 lbs.
5" x 5"	.146	8—½x12-24	2 lbs. 8 oz.

Aluminum hinges are not carried in stock and are available on special order only.

Template Full Surface Ball Bearing Butt Hinges (Narrow Leaves)

For Angle Iron Frame Doors with Channel Iron Jambs

Five Knuckle

Non-Rising Loose Pin



No. BB6751-A	No. BB6751	No. BB6841
No. BB6701-A	No. BB6701	No. BB6811

EXTRA HEAVY

Brass bushed with four Lawrence non-detachable concealed ball bearing races to each hinge.

Screw holes are located accurately to standard template.

No. BB6751-A (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB6751 (Extra Heavy), Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB6841 (Extra Heavy), Cold Rolled Steel, Button Tip, **Prime Coat for Painting**. Inner edges of leaves are milled back allowing clearance for paint.

REGULAR WEIGHT

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

Screw holes are located accurately to standard template.

No. BB6701-A (Regular Weight), Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB6701 (Regular Weight), Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB6811 (Regular Weight), Cold Rolled Steel, Button Tip, **Prime Coat for Painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with Flat Head Machine Screws.

EXTRA HEAVY

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each		Weight per Pair
		O. H. Machine Jamb Leaf	O. H. Machine Door Leaf	
4½"	.180	3—½x12-24	3—½x12-24	3 lbs. 4 oz.
5"	.190	4—½x12-24	4—½x12-24	4 lbs. 1 oz.
6"	.203	4—½x¼-20	4—½x¼-20	5 lbs. 5 oz.

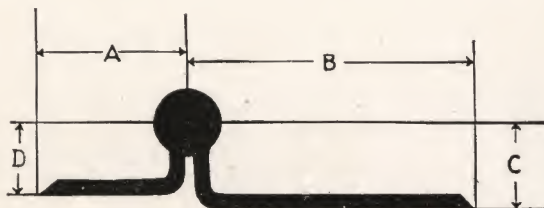
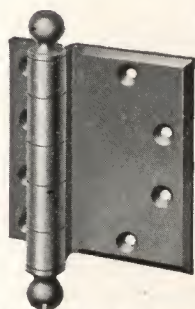
REGULAR WEIGHT

4½"	.134	3—½x12-24	3—½x12-24	2 lbs. 8 oz.
5"	.146	4—½x12-24	4—½x12-24	3 lbs. 6 oz.

For list of finishes see Page 9.

Template Full Surface Ball Bearing Butt Hinges

For Kalamein Doors with Channel Iron Jambs
Always use Ball Bearing Butts on Kalamein Doors
Five Knuckle Non-Rising Loose Pin

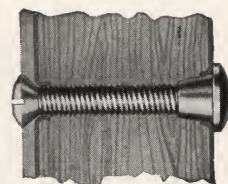


See Table for Measurements

No. BB6351-A
No. BB6303-A

No. BB6351
No. BB6303
No. BB6411

No. BB6441
No. BB6301



Section Showing Application of Machine Screw and Grommet Nut to a Kalamein Door.

Screw holes are located accurately to standard template.

Furnished with oval head machine screws for jamb leaf and oval head machine screws (for bolting through door) with grommet nuts for door leaf.

Butts are reversible for right or left hand doors.

Door leaf extends $\frac{1}{8}$ " beyond the jamb leaf allowing the door to be set in $\frac{1}{8}$ " beyond jamb.

EXTRA HEAVY

Brass bushed with four Lawrence non-detachable concealed ball bearing races to each hinge.

No. BB6351-A Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Heavily Plated.** Inner edges of leaves are beveled to make close fitting joints.

No. BB6351 Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated.** Inner edges of leaves are beveled to make close fitting joints.

No. BB6441 Cold Rolled Steel, Button Tip, **Prime Coat for painting.** Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with oval head machine screws, grommet nuts furnished for door leaf. Specify thickness of door when ordering.

EXTRA HEAVY

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each		Width of Jamb Leaf (In.) (A)	Width of Door Leaf (In.) (B)	Offset of Door Leaf (In.) (C)	Offset of Jamb Leaf (In.) (D)	Weight per Pair with Screws
4½"	.180	3—½x12-24	3—2¼x¼-20	1½	2⅞	1	⅞	4 lbs. 6 oz.
5"	.190	4—½x12-24	4—2¼x¼-20	1½	2⅞	1	⅞	5 lbs. 3 oz.
6"	.203	4—½x¼-20	5—2¾x¼-20	1½	3¼	1½	1	6 lbs. 2 oz.

REGULAR WEIGHT

4½"	.135	3—½x12-24	3—2 x¼-20	1½	2⅞	1⅞	1⅞	3 lbs. 10 oz.
5"	.146	4—½x12-24	4—2 x¼-20	1½	2⅞	1	⅞	4 lbs. 3 oz.

For list of finishes see Page 9.

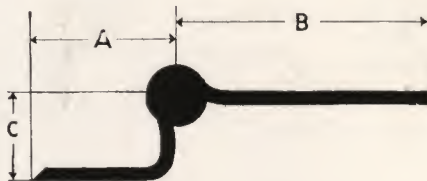
Template Half Mortise Ball Bearing Butt Hinges

For Hollow Metal or Wood Doors with Channel Iron Jambs

Five Knuckle



Non-Rising Loose Pin



See Table for Measurements

No. BB6551-A
No. BB6531-A

No. BB6551
No. BB6531
No. BB6621

No. BB6641
No. BB4531

EXTRA HEAVY

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge.

Screw holes are located accurately to standard template.

No. BB6551-A Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB6551 Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB6641 Cold Rolled Steel, Button Tip, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

REGULAR WEIGHT

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

Screw holes are located accurately to standard template.

No. BB6531-A Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB6531 Cold Rolled Steel, Ball Tip, **Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4531 Cold Rolled Steel, Ball Tip, **Planished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB6621 Cold Rolled Steel, Button Tip, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with flat head machine screws.

EXTRA HEAVY

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each		Width of Jamb Leaf (Inches) (A)	Width of Door Leaf (Inches) (B)	Offset of Jamb Leaf (Inches) (C)	Weight per Pair with Screws
		O. H. Machine Jamb Leaf	F. H. Machine Door Leaf				
4½"	.180	3—½x12-24	4—½x12-24	1½	2¼	⅞	3 lbs. 10 oz.
5"	.190	4—½x12-24	4—½x12-24	1½	2½	⅞	4 lbs. 7 oz.
6"	.203	4—½x¼-20	4—½x¼-20	1½	3	1	5 lbs. 13 oz.

REGULAR WEIGHT

4½"	.134	3—½x12-24	4—½x12-24	1½	2¼	⅞	2 lbs. 12 oz.
5"	.146	4—½x12-24	4—½x12-24	1½	2½	⅞	3 lbs. 10 oz.

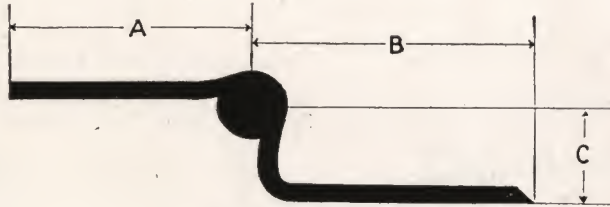
For list of finishes see Page 9.

Extra Heavy Half Surface Ball Bearing Butt Hinges

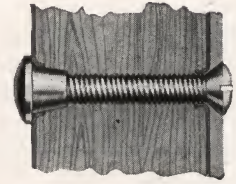
Always use Ball Bearing Butts on Kalamein Doors

Five Knuckle

Non-Rising Loose Pin



See Table for Measurements



Section Showing Application of Machine Screw and Grommet Nut to a Kalamein Door.

No. BB5351-A No. BB5351 No. BB5451 No. BB4441
No. BB5350-A No. BB5350 No. BB5450 No. BB4440

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge. Butts are reversible for right or left hand doors (unscrew slotted tip, reverse pin and screw tip in opposite end).

Door leaf and jamb leaf are measured from center of pin to outer edge of leaf; offset is measured from back of door leaf to center of pin.

TEMPLATE

For Kalamein doors with pressed steel jambs.

When used on kalamein doors with kalamein jambs specify wood screws for jamb leaf.

No. BB5351-A (U. S. Govt. Type No. A-2081-T) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5351 (U. S. Govt. Type No. A-2080-T) (Extra Heavy), Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5451 Cold Rolled Steel, Button Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4441 (U. S. Govt. Type No. A-2080½-PT) (Extra Heavy), Cold Rolled Steel, Button Tip, **Prime Coat for painting**. Inner edges of leaves are milled back to allow clearance for paint.

NON-TEMPLATE

For Kalamein doors with Kalamein jambs or wood doors with wood jambs.

No. BB5350-A (U. S. Govt. Type No. A-2081) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5350 (U. S. Govt. Type No. A-2080) (Extra Heavy), Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5450 Cold Rolled Steel, Button Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4440 (U. S. Govt. Type No. A-2080½-P) (Extra Heavy), Cold Rolled Steel, Button Tip, **Prime Coat for painting**. Inner edges of leaves are milled back to allow clearance for paint.

Packed one pair in a box with oval head machine screws with grommet nuts for door leaf. Template butts have flat head machine screws for jamb leaf and non-template have flat head wood screws. Specify thickness of door when ordering.

Size, Length of Joint	Gauge of Metal	Template Quantity and Size of Screws, Each		Non-Template Quantity and Size of Screws, Each	
		F. H. Machine Jamb Leaf	O. H. Machine Door Leaf	F. H. Wood Jamb Leaf	O. H. Machine Door Leaf
4½"	.180	4—½x12-24	3—2¼x¼-20	4—1¼x12	3—2¼x¼-20
5"	.190	4—½x12-24	4—2¼x¼-20	5—1¼x12	4—2¼x¼-20
6"	.203	5—½x¼-20	5—2¾x¼-20	5—1½x14	5—2¾x¼-20
Size, Length of Joint	Width of Jamb Leaf (Inches) (A)	Width of Door Leaf (Inches) (B)	Offset of Door Leaf (Inches) (C)	Weight per Pair with Screws	
4½"	2¼	2⅞	1	4 lbs. 4 oz.	
5"	2½	2⅞	1	5 lbs. 7 oz.	
6"	3	3¼	1⅞	7 lbs. 8 oz.	

For list of finishes see Page 9.

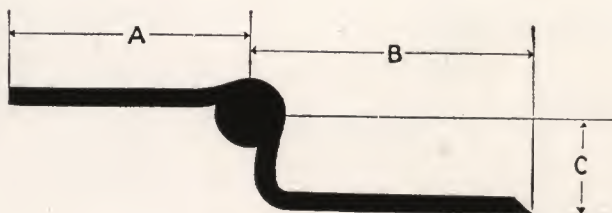
Template Half Surface Ball Bearing Butt Hinges

For Kalamein Doors with Pressed Steel or Kalamein Jambs

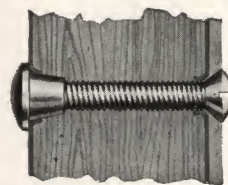
Always use Ball Bearing Butts on Kalamein Doors

Five Knuckle

Non-Rising Loose Pin



See Table for Measurements



Section Showing Appli-
cation of Machine Screw
and Grommet Nut to a
Kalamein Door.

No. BB5301-A No. BB5301 No. BB5401-A No. BB5401
No. BB4303 No. BB4301 No. BB4401 No. BB4411

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

Butts are reversible for right or left hand doors.

Door leaf and jamb leaf are measured from center of pin to outer edges of leaf; offset is measured from back of door leaf to center of pin.

When used on kalamein doors with kalamein jambs specify wood screws for jamb leaf.

No. BB5301-A (U. S. Govt. Type No. 2081-T), Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5301 (U. S. Govt. Type No. 2080-BT), Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4303 Cold Rolled Steel, Ball Tip, **Polished and Plated**. Inner edges of leaves are not beveled.

No. BB4301 (U. S. Govt. Type No. 2080-T), Cold Rolled Steel, Ball Tip, **Planished and Plated**. Inner edges of leaves are not beveled.

No. BB5401-A Wrought Brass Metal, Stainless Steel Pins with Brass Button Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5401 Cold Rolled Steel, Button Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4401 Cold Rolled Steel, Button Tip, **Planished and Plated**. Inner edges of leaves are not beveled.

No. BB4411 (U. S. Govt. Type No. 2080½-PT), Cold Rolled Steel, Button Tip, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with flat head machine screws for jamb leaf and oval head machine screws with grommet nuts for door leaf. Specify thickness of door when ordering.

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each		Width of Jamb Leaf (Inches) (A)	Width of Door Leaf (Inches) (B)	Offset of Door Leaf (Inches) (C)	Weight per Pair with Screws	
		F. H. Machine Jamb Leaf	O. H. Machine Door Leaf					
3"	.092	3—½x10-24*	3—1½x10-24	1½	1½	9/16	1 lb.	2 oz.
3½"	.123	3—½x10-24	3—2 x10-24	1¾	2⅛	11/16	1 lb.	13 oz.
4"	.130	4—½x12-24	3—2 x¼-20	2	2¼	11/16	2 lbs.	7 oz.
4½"	.134	4—½x12-24	3—2 x¼-20	2¼	2⅞	3/4	3 lbs.	6 oz.
5"	.146	4—½x12-24	4—2 x¼-20	2½	2⅞	1	4 lbs.	10 oz.

*No. 8 Head.

For list of finishes see Page 9.

Non-Template Half Surface Butt Hinges

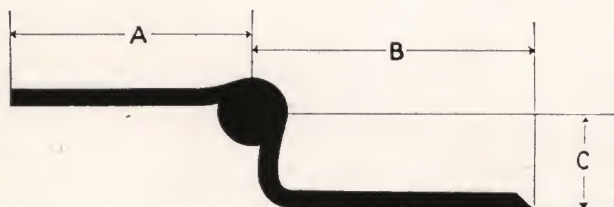
For Kalamein Doors with Kalamein Jambs or Wood Doors with Wood Jambs

Always use Ball Bearing Butts on Kalamein Doors

Five Knuckle

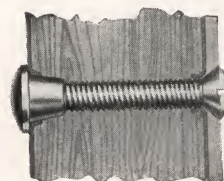


Non-Rising Loose Pin



See Table for Measurements

No. BB5300-A	No. BB5300	No. BB4302	No. BB4300
No. BB5400-A	No. BB5400	No. BB4400	No. BB4410



Section Showing Application of Machine Screw and Grommet Nut to a Kalamein Door.

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

Butts are reversible for right or left hand doors.

Door leaf and jamb leaf are measured from center of pin to outer edges of leaf; offset is measured from back of door leaf to center of pin.

No. BB5300-A (U. S. Govt. Type No. 2081), Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5300 (U. S. Govt. Type No. 2080-B), Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4302 Cold Rolled Steel, Ball Tip, **Polished and Plated**. Inner edges of leaves are not beveled.

No. BB4300 (U. S. Govt. Type No. 2080), Cold Rolled Steel, Ball Tip, **Planished and Plated**. Inner edges of leaves are not beveled.

No. BB5400-A Wrought Brass Metal, Stainless Steel Pins with Brass Button Tips, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB5400 Cold Rolled Steel, Button Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB4400 Cold Rolled Steel, Button Tip, **Planished and Plated**. Inner edges of leaves are not beveled.

No. BB4410 (U. S. Govt. Type No. 2080½-P), Cold Rolled Steel, Button Tip, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with flat head wood screws for jamb leaf and oval head machine screws with grommet nuts for door leaf. Specify thickness of door when ordering.

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each		Width of Jamb Leaf (Inches) (A)	Width of Door Leaf (Inches) (B)	Offset of Door Leaf (Inches) (C)	Weight per Pair with Screws	
F. H. Wood Jamb Leaf	O. H. Machine Door Leaf							
3"	.092	3— $\frac{7}{8}$ x 9	3— $1\frac{1}{2}$ x10-24	1½	$1\frac{11}{16}$	$\frac{9}{16}$	1 lb.	2 oz.
3½"	.123	3—1 x 9	3—2x10-24	1¾	2⅛	$\frac{11}{16}$	1 lb.	13 oz.
4"	.130	4—1 x10	3—2x¼-20	2	2¼	$\frac{11}{16}$	2 lbs.	7 oz.
4½"	.134	4—1¼x12	3—2x¼-20	2¼	2⅞	$\frac{3}{4}$	3 lbs.	6 oz.
5"	.146	4—1¼x12	4—2x¼-20	2½	2⅞	1	4 lbs.	10 oz.

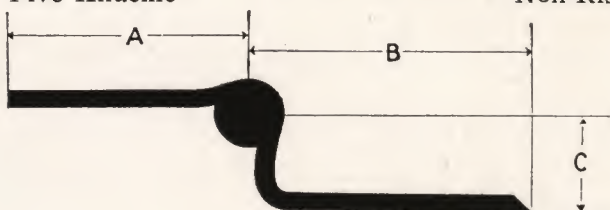
For list of finishes see Page 9.

Stainless Steel Half Surface Ball Bearing Butt Hinges

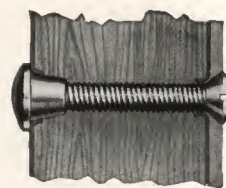
For applications where a corrosion resistant metal is required.



Five Knuckle



Non-Rising Loose Pin



Section Showing Application of Machine Screw and Grommet Nut to a Kalamein Door.

No. BB5451-SS
No. BB5450-SS

No. BB5401-SS
No. BB5400-SS

See Table for Measurements

POLISHED or SATIN STAINLESS STEEL FINISH

Butts are reversible for right or left hand doors, (unscrew slotted tip, reverse pins and screw tip in opposite end).

Door leaf and jamb leaf are measured from center of pin to outer edge of leaf; offset is measured from back of door leaf to center of pin.

Inner edges of leaves are beveled to make close fitting joints.

TEMPLATE

Screw holes are located accurately to standard template.

For Kalamein doors with pressed steel jambs.

When used on kalamein doors with kalamein jambs, specify wood screws for jamb leaf.

No. BB5451-SS (Extra Heavy). Stainless steel, with stainless steel pins and button tips, brass bushed throughout length of pin, with four Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB5401-SS (Regular Weight). Stainless steel, with stainless steel pins and button tips, brass bushed throughout length of pin, with two Lawrence non-detachable concealed ball bearing races in each hinge.

Packed one pair in a box with oval head stainless steel machine screws with grommet nuts for door leaf. Template butts have flat head stainless steel machine screws for jamb leaf and non-template have flat head stainless steel wood screws. Specify thickness of door when ordering.

NON-TEMPLATE

For Kalamein doors with Kalamein jambs or wood doors with wood jambs.

No. BB5450-SS (Extra Heavy). Stainless steel, with stainless steel pins and button tips, brass bushed throughout length of pin, with four Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB5400-SS (Regular Weight). Stainless steel, with stainless steel pins and button tips, brass bushed throughout length of pin, with two Lawrence non-detachable concealed ball bearing races in each hinge.

EXTRA HEAVY

Size, Length of Joint	Gauge of Metal	Template		Non-Template	
		Quantity and Size of F. H. Machine Jamb Leaf	Quantity and Size of O. H. Machine Door Leaf	Quantity and Size of F. H. Wood Jamb Leaf	Quantity and Size of O. H. Machine Door Leaf
4½"	.180	4—½x12-24	3—2¼x¼-20	4—1¼x12	3—2¼x¼-20
5"	.190	4—½x12-24	4—2¼x¼-20	5—1¼x12	4—2¼x¼-20
REGULAR WEIGHT					
4"	.130	4—½x12-24	3—2 x¼-20	4—1 x10	3—2 x¼-20
4½"	.134	4—½x12-24	3—2 x¼-20	4—1¼x12	3—2 x¼-20
5"	.146	4—½x12-24	4—2 x¼-20	4—1¼x12	4—2 x¼-20

EXTRA HEAVY

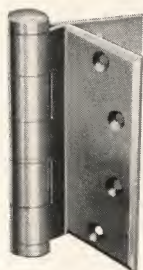
Size, Length of Joint	Width of Jamb Leaf (Inches) (A)	Width of Door Leaf (Inches) (B)	Offset of Door Leaf (Inches) (C)	Weight per Pair with Screws
4½"	2¼	2⅞	1	4 lbs. 4 oz.
5"	2½	2⅞	1	5 lbs. 7 oz.
REGULAR WEIGHT				
4"	2	2¼	1⅛	2 lbs. 7 oz.
4½"	2¼	2⅞	¾	3 lbs. 6 oz.
5"	2½	2⅞	1	4 lbs. 10 oz.

Stainless steel hinges are not carried in stock and are available on special order only.

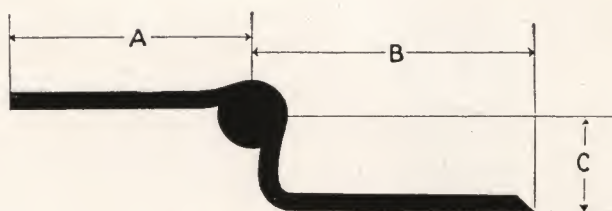
Aluminum Template Half Surface Ball Bearing Butt Hinges

For Application where an Aluminum Hinge is required to complete an all Aluminum installation for hanging Aluminum Doors for Store Entrances, etc.

Five Knuckle



Non-Rising Loose Pin



See Table for Measurements

No. BB5451-AL No. BB5401-AL

Button Tip

Satin Alumilite Finish only, provides a hard corrosion, stain, and abrasion resistant aluminum oxide surface.

Butts are reversible for right or left hand doors.

Door leaf and jamb leaf are measured from center of pin to outer edges of leaf; offset is measured from back of door leaf to center of pin.

Screw holes are located accurately to standard template.

No. BB5451-AL (Extra Heavy). Made from 63S-T5 Aluminum Alloy, with stainless steel pins, and aluminum button tips, brass bushed throughout length of pin, with four Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB5401-AL (Regular Weight). Made from 63S-T5 Aluminum Alloy, with stainless steel pins, and aluminum button tips, brass bushed throughout length of pin, with two Lawrence non-detachable concealed ball bearing races in each hinge.

Packed one pair in a box with aluminum recessed flat head machine screws for jamb leaf and aluminum recessed oval head machine screws with grommet nuts for door leaf. Specify thickness of door when ordering.★

EXTRA HEAVY

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each F. H. Machine Jamb Leaf	O. H. Machine Door Leaf	Width of Jamb Leaf (Inches) (A)	Width of Door Leaf (Inches) (B)	Width of Offset of Door Leaf (Inches) (C)	Weight per Pair with Screws
4½"	.180	4—½x12-24	3—★x¼-20	2¼	2⅞	1	2 lbs. 12 oz.
5"	.190	4—½x12-24	4—★x¼-20	2½	2⅞	1	3 lbs. 9 oz.

REGULAR WEIGHT

4"	.130	4—½x12-24	3—★x¼-20	2	2¼	1⅛	1 lb. 9 oz.
4½"	.134	4—½x12-24	3—★x¼-20	2¼	2⅞	¾	2 lbs. 3 oz.
5"	.146	4—½x12-24	4—★x¼-20	2½	2⅞	1	3 lbs. 1 oz.

Aluminum hinges are not carried in stock and are available on special order only.

Extra Heavy Hospital Type Full Mortise Ball Bearing Butt Hinges

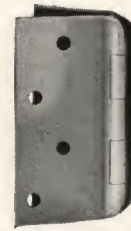
Intended for use on Hospitals, Institutions and buildings of a similar kind.

Five Knuckle



No. BB2051
No. BB2051-A
No. BB2041

Fast Pin



No. BB2050
No. BB2050-A
No. BB2040

TEMPLATE

For Hollow Metal Doors or Wood Doors with Pressed Steel Jambs.

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge except size 4"x4" which has two.

No. BB2051-A (U. S. Govt. Type No. 2063-T) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2051 (U. S. Govt. Type No. 2064-T) (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2041 (U. S. Govt. Type No. 2054-PT) (Extra Heavy), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

NON-TEMPLATE

For Wood Doors with Wood Jambs.

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge except size 4"x4" which has two.

No. BB2050-A (U. S. Govt. Type No. 2063) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2050 (U. S. Govt. Type No. 2064) (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2040 (U. S. Govt. Type No. 2064-P) (Extra Heavy), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box. Template butts with one-half machine screws and one-half wood screws unless otherwise specified; non-template butts with all wood screws.

Size Open, Inches	Gauge of Metal	Template Quantity and Size of Screws, Each		Non-Template Quantity and Size of Screws, Each		Weight per Pair with Screws
		F. H. Machine	F. H. Wood	F. H. Wood	F. H. Wood	
4 x4	.170	4— $\frac{1}{2}$ x12-24	4— $1\frac{1}{4}$ x12	8— $1\frac{1}{4}$ x12		2 lbs. 7 oz.
4 $\frac{1}{2}$ x4 $\frac{1}{2}$	.180	4— $\frac{1}{2}$ x12-24	4— $1\frac{1}{4}$ x12	8— $1\frac{1}{4}$ x12		3 lbs. 4 oz.
5 x5	.190	4— $\frac{1}{2}$ x12-24	4— $1\frac{1}{4}$ x12	10— $1\frac{1}{4}$ x12		5 lbs. 1 oz.
6 x6	.203	5— $\frac{1}{2}$ x $\frac{1}{4}$ -20	5— $1\frac{1}{2}$ x14	10— $1\frac{1}{2}$ x14		4 lbs. 14 oz.

For list of finishes see Page 9.

Hospital Type Full Mortise Ball Bearing Butt Hinges

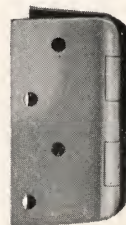
Intended for use on Hospitals, Institutions and buildings of a similar kind.

Five Knuckle



No. BB2001-A
No. BB2001
No. BB2011

Fast Pin



No. BB2000-A
No. BB2000
No. BB2010

TEMPLATE

For Hollow Metal Doors or Wood Doors with Pressed Steel Jambs.

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB2001-A (U. S. Govt. Type No. 2060-T), Wrought Brass Metal, Stainless Steel Pins, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2001 (U. S. Govt. Type No. 2061-T), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2011 (U. S. Govt. Type No. 2061-PT), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

NON-TEMPLATE

For Wood Doors with Wood Jambs.

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB2000-A (U. S. Govt. Type No. 2060), Wrought Brass Metal, Stainless Steel Pins, **Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2000 (U. S. Govt. Type No. 2061), Cold Rolled Steel, **Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2010 (U. S. Govt. Type No. 2061-P), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box. Template butts with one-half machine screws and one-half wood screws unless otherwise specified; non-template butts with all wood screws.

Size Open, Inches	Gauge of Metal	Template Quantity and Size of Screws, Each		Non-Template Quantity and Size of Screws, Each		Weight per Pair with Screws
		F. H. Machine	F. H. Wood	F. H. Wood	F. H. Wood	
3 x3	.092	3— $\frac{1}{2}$ x10-24*	3—1 x 8	6— $\frac{7}{8}$ x 9		13 oz.
3 $\frac{1}{2}$ x3 $\frac{1}{2}$	.123	3— $\frac{1}{2}$ x10-24	3—1 x10	6—1 x 9		1 lb. 6 oz.
4 x4	.130	4— $\frac{1}{2}$ x12-24	4—1 $\frac{1}{4}$ x12	8—1 x10		1 lb. 14 oz.
4 $\frac{1}{2}$ x4 $\frac{1}{2}$	.134	4— $\frac{1}{2}$ x12-24	4—1 $\frac{1}{4}$ x12	8—1 $\frac{1}{4}$ x12		2 lbs. 10 oz.
5 x5	.146	4— $\frac{1}{2}$ x12-24	4—1 $\frac{1}{4}$ x12	10—1 $\frac{1}{4}$ x12		4 lbs. 8 oz.

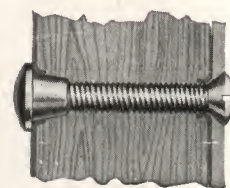
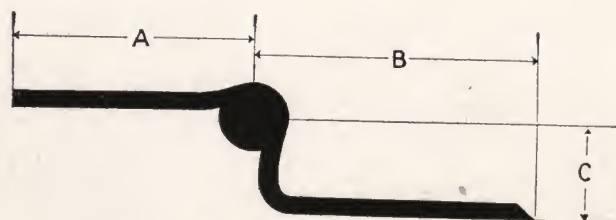
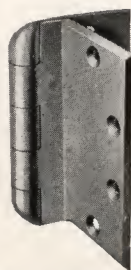
For list of finishes see Page 9.

*No. 8 Head

Extra Heavy Hospital Type Half Surface Ball Bearing Butt Hinges

Five Knuckle

Fast Pin



No. BB2351-A
No. BB2350-A

No. BB2351
No. BB2350

See Table for Measurements
No. BB2341
No. BB2340

Section Showing Application of Machine Screw and Grommet Nut to a Kalamein Door.

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge.

Door leaf and jamb leaf are measured from center of pin to outer edge of leaf; offset is measured from back of door leaf to center of pin.

TEMPLATE

For Kalamein Doors with Pressed Steel Jambs.

No. BB2351-A (U. S. Govt. Type No. 2068-T) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2351 (U. S. Govt. Type No. 2069-T) (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2341 (U. S. Govt. Type No. 2069-PT) (Extra Heavy), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

NON-TEMPLATE

For Kalamein Doors with Kalamein Jambs or Wood Doors with Wood Jambs.

No. BB2350-A (U. S. Govt. Type No. 2068) (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2350 (U. S. Govt. Type No. 2069) (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2340 (U. S. Govt. Type No. 2069-P) (Extra Heavy), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with oval head machine screws and grommet nuts for door leaf. Template butts have flat head machine screws for jamb leaf and non-template have flat head wood screws for jamb leaf. Specify thickness of door when ordering.

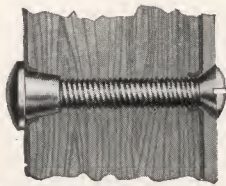
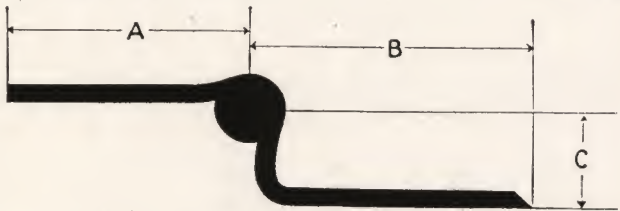
Size, Length of Joint	Gauge of Metal	Template Quantity and Size of Screws, Each		Non-Template Quantity and Size of Screws, Each	
		F. H. Machine Jamb Leaf	O. H. Machine Door Leaf	F. H. Wood Jamb Leaf	O. H. Machine Door Leaf
4½"	.180	4—½x12-24	3—2¼x¼-20	4—1¼x12	3—2¼x¼-20
5"	.190	4—½x12-24	4—2¼x¼-20	5—1¼x12	4—2¼x¼-20
6"	.203	5—½x¼-20	5—2¾x¼-20	5—1½x14	5—2¾x¼-20

Size, Length of Joint	Width of Jamb Leaf (Inches) (A)	Width of Door Leaf (Inches) (B)	Offset of Door Leaf (Inches) (C)	Weight per Pair with Screws
4½"	2¼	2⅞	1	3 lbs. 14 oz.
5"	2½	2⅞	1	4 lbs. 13 oz.
6"	3	3¼	1⅞	6 lbs. 10 oz.

For list of finishes see Page 9.

Hospital Type Half Surface Ball Bearing
Butt Hinges

For Kalamein Doors with Pressed Steel Jambs
Five Knuckle Fast Pin



See Table for Measurements

No. BB2301-A No. BB2301 No. BB2311
No. BB2300-A No. BB2300 No. BB2310

Section Showing Appli-
cation of Machine Screw
and Grommet Nut to a
Kalamein Door.

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.
Door leaf and jamb leaf are measured from center of pin to outer edge of leaf; offset is measured from back of door leaf to center of pin.

TEMPLATE

For Kalamein Doors with Pressed Steel Jambs.

No. BB2301-A (U. S. Govt. Type No. 2065-T), Wrought Brass Metal, Stainless Steel Pins, **Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2301 (U. S. Govt. Type No. 2066-T) Cold Rolled Steel, **Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2311 (U. S. Govt. Type No. 2066-PT), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

NON-TEMPLATE

For Kalamein Doors with Kalamein Jambs or Wood Doors with Wood Jambs.

No. BB2300-A (U. S. Govt. Type No. 2065), Wrought Brass Metal, Stainless Steel Pins, **Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2300 (U. S. Govt. Type No. 2066), Cold Rolled Steel, **Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2310 (U. S. Govt. Type No. 2066-P), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with oval head machine screws and grommet nuts for door leaf. Template butts have flat head machine screws for jamb leaf and non-template have flat head wood screws for jamb leaf. Specify thickness of door when ordering.

Size, Length of Joint	Gauge of Metal	Template		Non-Template	
		Quantity and Size of Screws, Each F. H. Machine Jamb Leaf	O. H. Machine Door Leaf	Quantity and Size of Screws, Each F. H. Wood Jamb Leaf	O. H. Machine Door Leaf
3"	.092	3— $\frac{1}{2}$ x10-24*	3— $1\frac{1}{2}$ x10-24	3— $\frac{7}{8}$ x 9	3— $1\frac{1}{2}$ x10-24
3 $\frac{1}{2}$ "	.123	3— $\frac{1}{2}$ x10-24	3—2 x10-24	3—1 x 9	3—2 x10-24
4"	.130	4— $\frac{1}{2}$ x12-24	3—2 x $\frac{1}{4}$ -20	4—1 x10	3—2 x $\frac{1}{4}$ -20
4 $\frac{1}{2}$ "	.134	4— $\frac{1}{2}$ x12-24	3—2 x $\frac{1}{4}$ -20	4— $1\frac{1}{4}$ x12	3—2 x $\frac{1}{4}$ -20
5"	.146	4— $\frac{1}{2}$ x12-24	4—2 x $\frac{1}{4}$ -20	5— $1\frac{1}{4}$ x12	4—2 x $\frac{1}{4}$ -20
*No. 8 Head					
Size, Length of Joint	Width of Jamb Leaf (Inches) (A)	Width of Door Leaf (Inches) (B)	Offset of Door Leaf (Inches) (C)	Weight per Pair with Screws	
3"	1 $\frac{1}{2}$	1 $\frac{13}{16}$	$\frac{1}{16}$	1 lb.	1 oz.
3 $\frac{1}{2}$ "	1 $\frac{3}{4}$	2 $\frac{1}{8}$	$\frac{11}{16}$	1 lb.	9 oz.
4"	2	2 $\frac{1}{4}$	$\frac{11}{16}$	2 lbs.	1 oz.
4 $\frac{1}{2}$ "	2 $\frac{1}{4}$	2 $\frac{9}{16}$	$\frac{3}{4}$	3 lbs.	
5"	2 $\frac{1}{2}$	2 $\frac{7}{8}$	1	3 lbs.	15 oz.

For list of finishes see Page 9.

Extra Heavy Weight Hospital Type Template Full Surface Ball Bearing Butt Hinges

For Angle Iron Frame Doors with Channel Iron Jambs

Five Knuckle

Fast Pin



No. BB2751-A No. BB2751 No. BB2741

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge.

Screw holes are located accurately to standard template.

No. BB2751-A (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2751 (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2741 (Extra Heavy), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with flat head machine screws.

EXTRA HEAVY

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each		Weight per Pair
		O. H. Machine Jamb Leaf	O. H. Machine Door Leaf	
4½"	.180	3—½x12-24	3—½x12-24	3 lbs.
5"	.190	4—½x12-24	4—½x12-24	3 lbs. 8 oz.
6"	.203	4—½x¼-20	4—½x¼-20	4 lbs. 8 oz.

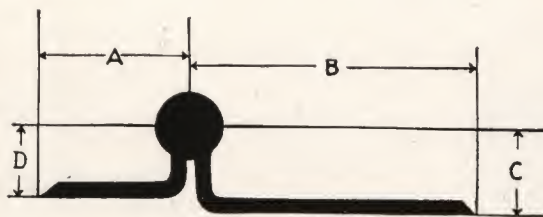
For list of finishes see Page 9.

Hospital Type Template Full Surface Ball Bearing Butt Hinges

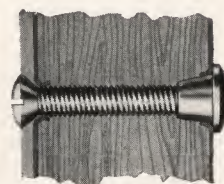
For Kalamein Doors with Channel Iron Jambs

Five Knuckle

Fast Pin



See Table for Measurements



Section Showing Application of Machine Screw and Grommet Nut to a Kalamein Door.

No. BB2151-A No. BB2151 No. BB2141
No. BB2101-A No. BB2101 No. BB2111

Screw holes are located accurately to standard template.

Butts are reversible for right or left hand doors.

Door leaf and jamb leaf are measured from center of pin to outer edge of leaf; offset is measured from back of jamb leaf and door leaf to center of pin.

Door leaf extends $\frac{1}{8}$ " beyond the jamb leaf allowing the door to be set in $\frac{1}{8}$ " beyond jamb.

EXTRA HEAVY

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB2151-A (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2151 (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2141 (Extra Heavy), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

One pair in a box with oval head machine screws, grommet nuts furnished for door leaf. Specify thickness of door when ordering.

REGULAR WEIGHT

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

No. BB2101-A (Regular Weight), Wrought Brass Metal, Stainless Steel Pins, **Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2101 (Regular Weight), Cold Rolled Steel, **Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2111 (Regular Weight), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

EXTRA HEAVY

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each		Width of Jamb Leaf (In.) (A)	Width of Door Leaf (In.) (B)	Offset of Door Leaf (In.) (C)	Offset of Jamb Leaf (In.) (D)	Weight per Pair with Screws
4½"	.180	3—½x12-24	3—2¼x¼-20	1½	2⅞	1	⅞	4 lbs.
5"	.190	4—½x12-24	4—2¼x¼-20	1½	2⅞	1	⅞	4 lbs. 8 oz.
6"	.203	4—½x¼-20	5—2¼x¼-20	1½	3¼	1⅞	1	6 lbs.

REGULAR WEIGHT

4½"	.134	3—½x12-24	3—2 x¼-20	1½	2⅞	1⅞	1⅞	3 lbs. 1 oz.
5"	.146	4—½x12-24	4—2 x¼-20	1½	2⅞	1	⅞	3 lbs. 10 oz.

For list of finishes see Page 9.

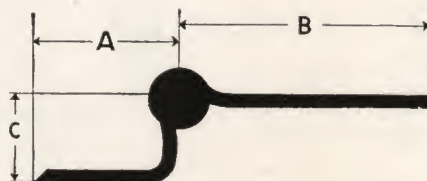
Hospital Type Template Half Mortise Butt Hinges

For Hollow Metal or Wood Doors with Channel Iron Jamb

Five Knuckle



Fast Pin



See Table for Measurements

No. BB2551-A No. BB2551 No. BB2541
No. BB2531-A No. BB2531 No. BB2511

EXTRA HEAVY

Brass bushed with four Lawrence non-detachable concealed ball bearing races in each hinge.

Screw holes are located accurately to standard template.

No. BB2551-A (Extra Heavy), Wrought Brass Metal, Stainless Steel Pins, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2551 (Extra Heavy), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2541 (Extra Heavy), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

REGULAR WEIGHT

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

Screw holes are located accurately to standard template.

No. BB2531-A (Regular Weight), Wrought Brass Metal, Stainless Steel Pins, **Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2531 (Regular Weight), Cold Rolled Steel, **Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. BB2511 (Regular Weight), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box with machine screws.

EXTRA HEAVY

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each		Width of Jamb Leaf (Inches) (A)	Width of Door Leaf (Inches) (B)	Offset of Jamb Leaf (Inches) (C)	Weight per Pair with Screws
4½"	.180	3—½x12-24	4—½x12-24	1½	2¼	⅞	3 lbs. 3 oz.
5"	.190	4—½x12-24	4—½x12-24	1½	2½	⅞	3 lbs. 13 oz.
6"	.203	4—½x¼-20	5—½x¼-20	1½	3	1	5 lbs. 7 oz.

REGULAR WEIGHT

4½"	.134	3—½x12-24	4—½x12-24	1½	2¼	⅞	2 lbs. 8 oz.
5"	.146	4—½x12-24	4—½x12-24	1½	2½	⅞	2 lbs. 14 oz.

For list of finishes see Page 9.

Hospital Type Full Mortise Butt Hinges

Five Knuckle



No. 1301, No. 1311

Fast Pin



No. 1300, No. 1310

TEMPLATE

For hollow metal doors or wood doors with pressed steel jambs.

No. 1301 (Regular Weight), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. 1311 (Regular Weight), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

NON-TEMPLATE

For wood doors with wood jambs.

No. 1300 (Regular Weight), Cold Rolled Steel, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. 1310 (Regular Weight), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

Packed one pair in a box. Template butts with one-half machine and one-half wood screws unless otherwise specified; non-template butts packed with all wood screws.

Size Open	Gauge of Metal	Template Quantity and Size of Screws, Each		Non-Template Quantity and Size of Screws, Each	Weight per Pair with Screws
		F. H. Machine	F. H. Wood		
3" x 3"	.092	3— $\frac{1}{2}$ x10-24*	3—1 x 8	6— $\frac{7}{8}$ x 9	11 oz.
3 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ "	.123	3— $\frac{1}{2}$ x10-24	3—1 x10	6—1 x 9	1 lb. 3 oz.
4" x 4"	.130	4— $\frac{1}{2}$ x12-24	4—1 $\frac{1}{4}$ x12	8—1 x10	1 lb. 9 oz.
4 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ "	.134	4— $\frac{1}{2}$ x12-24	4—1 $\frac{1}{4}$ x12	8—1 $\frac{1}{4}$ x12	2 lbs. 3 oz.
5" x 5"	.146	4— $\frac{1}{2}$ x12-24	4—1 $\frac{1}{4}$ x12	10—1 $\frac{1}{4}$ x12	2 lbs. 11 oz.

*No. 8 Head.

For list of finishes see Page 9.

Number BB5850 Extra Heavy Ball Bearing Cell Butt With non-removable pins



No. BB5850

Blank butt with flat back and no screw holes for welding.

Extra heavy Ball Bearing Butt designed for the doors of Penitentiaries, Jails and other places where it is necessary to use a tamper-proof hinge.

Brass bushed with two Lawrence non-detachable concealed ball bearing races in each hinge.

Extra large pins are securely riveted at both ends and are further secured by two concealed pins. These pins are threaded through the butt into the hinge pin and the ends are then ground flush with the barrel of the butt.

Hinges will carry doors of from 2,000 to 3,000 pounds.

Can be furnished on special order bent for mortising for either full mortise or half mortise application. It may also be obtained with screw holes or with screw holes drilled to template, and when required will be furnished with bolts or screws. Can also be furnished with loose pin construction when desired.

Regularly furnished in Dead Black Japanned

On special order it will be furnished in Prime Coat for painting or any of the plated finishes.

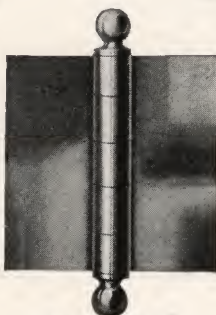
Size Open	Gauge of Metal	Weight per Pair
5" x 6"	.250	6 lbs. 4 oz.

For list of finishes see Page 9.

Number BB5510 Extra Heavy Wrought Steel Ball Bearing Butts

Blank

Ball Tip



No. BB5510

Five Knuckle

Loose Pin

Cold Rolled Steel.

Brass bushed with four Lawrence non-detachable concealed ball bearing races to each hinge.

Inner edges of leaves are beveled to make close fitting joints.

Packed one pair in a box.

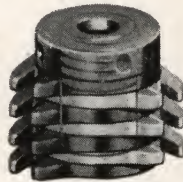
Size Open	Gauge of Metal	Weight per Pair
6" x 4"	.203	4 lbs. 15 oz.
6" x 5"	.203	5 lbs. 10 oz.
6" x 6"	.203	6 lbs. 5 oz.
6" x 8"	.203	7 lbs. 11 oz.

For list of finishes see Page 9.

Extra Heavy Concealed Ball Bearing Friction Butts

Ball Tip Loose Pin

Hospital Type Fast Pin



Friction Unit Pin Assembly

No. FBB5051 No. FBB5050
 No. FBB5151 No. FBB5150
 No. FBB4141 No. FBB4140

No. FBB2051 No. FBB2050
 No. FBB2041 No. FBB2040

Brass bushed with two Lawrence non-detachable ball bearing races to each hinge.

Ball bearings support weight of door and provide quiet operation with long life.

Friction unit consists of alternate brass and steel leaves in a complete assembly inserted in the center knuckle.

Cross-drilled nut provides adjustment which will hold door in any position and prevent slamming.

TEMPLATE

No. FBB5051 Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. FBB5151 Cold Rolled Steel, Button Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. FBB4141 Cold Rolled Steel, Button Tip, **Prime Coat for painting**. Inner edges of leaves are milled back to allow clearance for paint.

No. FBB2051 Cold Rolled Steel, Fast Pin (Hospital Type), **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. FBB2041 Cold Rolled Steel, Fast Pin (Hospital Type), **Prime Coat for painting**. Inner edges of leaves are milled back to allow clearance for paint.

NON-TEMPLATE

No. FBB5050 Cold Rolled Steel, Ball Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. FBB5150 Cold Rolled Steel, Button Tip, **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

No. FBB4140 Cold Rolled Steel, Button Tip, **Prime Coat for painting**. Inner edges of leaves are milled back to allow clearance for paint.

No. FBB2050 Cold Rolled Steel, Fast Pin (Hospital Type), **Highly Polished and Heavily Plated**. Inner edges of leaves are beveled to make close fitting joints.

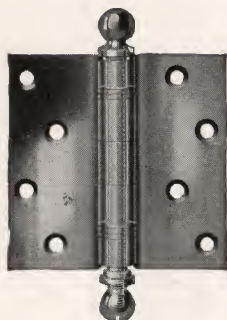
No. FBB2040 Cold Rolled Steel, Fast Pin (Hospital Type), **Prime Coat for painting**. Inner edges of leaves are milled back to allow clearance for paint.

Packed one pair in a box. Template butts with one-half machine screws and one-half wood screws unless otherwise specified; non-template butts with all wood screws.

Size Open	Gauge of Metal	Template Quantity and Size of Screws, Each		Non-Template Quantity and Size of Screws, Each	Weight per Pair with Screws
		F. H. Machine	F. H. Wood	F. H. Wood	
4½" x 4½"	.180	4—½x12-24	4—1¼x12	8—1¼x12	3 lbs. 4 oz.
5" x 5"	.190	4—½x12-24	4—1¼x12	10—1¼x12	4 lbs. 2 oz.

For list of finishes see Page 9.

Lawrence Friction Type Butts



Steel and Brass bushed at each joint to take care of friction wear. Nib screws on pin and nib is slotted so butt may be tightened or loosened for friction wanted.

No. SC246 Ball Tip

Packed one pair in a box with wood screws.

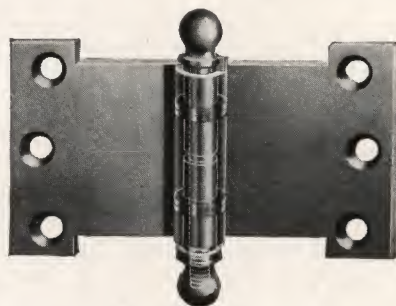
Size Open	Gauge of Metal	Quantity and Size of Screws, Each F. H. Wood	Pair in Box	Weight per Pair
4½" x 4½"	.134	8—1¼x12	1	3 lbs. 1 oz.
5" x 5"	.146	10—1¼x12	1	3 lbs. 11 oz.

No. T-246 Template Ball Tip

Packed one in a box with one-half machine screws and one-half wood screws unless otherwise specified.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each		Pair in Box	Weight per Pair
		F. H. Machine	F. H. Wood		
4½" x 4½"	.134	4—½x12-24	4—1¼x12	1	3 lbs. 1 oz.
5" x 5"	.146	4—½x12-24	4—1¼x12	1	3 lbs. 11 oz.

For list of finishes see Page 9.



Lawrence Friction Parliament Butts Number SC245

Patented

A Friction Parliament butt for casement windows. Will hold window open in any position without using a casement window holder or adjuster.

Steel and Brass bushed at each joint to take care of friction wear. Nib screws on

pin and nib of pin is slotted so butt may be tightened or loosened for friction wanted.

Made in one size only, 4½". Packed one pair in a box with screws and may be had in all finishes.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pair in Box	Weight per Pair
4½"	.105	6—1x10 F. H.	1	1 lb. 1 oz.

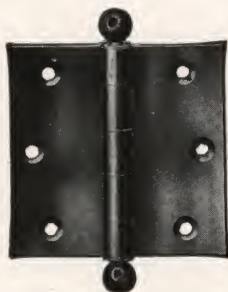
For list of finishes see Page 9.

Lawrence Wrought Brass Butts

For Wood Doors with Wood Jambs

Five Knuckle

Loose Pin



No. SC2410-A

Wrought Brass Metal

Ball Tip

Hard Brass Pins

Polished and Plated

For medium weight exterior doors or interior doors where a rustproof butt is desired.

Packed one pair in a box with brass screws; $2\frac{1}{2}$ "x $2\frac{1}{2}$ " size packed six pair in a box.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Weight per Pair with Screws
$2\frac{1}{2}$ "x $2\frac{1}{2}$ "	.089	6— $\frac{3}{4}$ x 8	9 oz.
3" x3"	.092	6— $\frac{7}{8}$ x 9	14 oz.
$3\frac{1}{2}$ "x $3\frac{1}{2}$ "	.123	6—1 x 9	1 lb. 7 oz.
4" x4"	.130	8—1 x10	1 lb. 15 oz.

For list of finishes see Page 9.

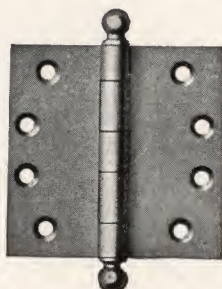
Wrought Brass Metal Template Steel Bushed Butts

For Hollow Metal or Kalamein Doors

Highly Polished and Heavily Plated

For use on doors when ball bearing feature is not desired.

Five Knuckle

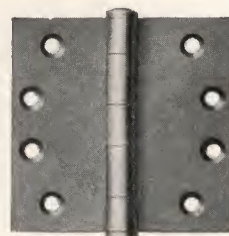


No. 1801-A

Non-Rising Loose Pin



Knuckle (Cut open)
showing Steel Bushing in
No. 1801-A and No. 1821-A



No. 1821-A

No. 1801-A (U. S. Govt. Type No. 2005-T), Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Plated**. Stainless steel bushings extend entire length of each knuckle preventing wear on joints.

Inner edges of leaves are beveled to make close fitting joints. Outer edges and corners are ground square.

For wood doors with wood jambs use No. 1800-A (shown on Page 69).

No. 1821-A (U. S. Govt. Type No. 2005½-T), Wrought Brass Metal, Stainless Steel Pins with Brass Button Tips, **Highly Polished and Plated**. Stainless steel bushings extend entire length of each knuckle preventing wear on joints.

Inner edges of leaves are beveled to make close fitting joints. Outer edges and corners are ground square.

For wood doors with wood jambs use No. 1820-A (shown on Page 69).

Packed one pair in a box with one-half machine screws and one-half wood screws unless otherwise specified.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each		Weight per Pair with Screws
		F. H. Machine	F. H. Wood	
3" x 3"	.092	3—½x10-24*	3—1 x 8	15 oz.
3½"x3½"	.123	3—½x10-24	3—1 x10	1 lb. 7 oz.
4" x 4"	.130	4—½x12-24	4—1¼x12	1 lb. 15 oz.
4½"x4½"	.134	4—½x12-24	4—1¼x12	2 lbs. 8 oz.
5" x 5"	.146	4—½x12-24	4—1¼x12	3 lbs. 4 oz.

*No. 8 Head.

For list of finishes see Page 9.

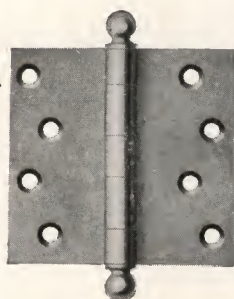
Wrought Brass Metal Steel Bushed Butts

For Wood Doors with Wood Jambs

Highly Polished and Heavily Plated

For use on doors when ball bearing feature is not desired.

Five Knuckle

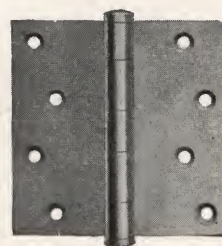


No. 1800-A
Ball Tip



Knuckle (Cut Open)
showing Steel Bushing in
No. 1800-A and No. 1820-A

Non-Rising Loose Pin



No. 1820-A
Button Tip

No. 1800-A (U. S. Govt. Type No. 2005), Wrought Brass Metal, Stainless Steel Pins with Brass Ball Tips, **Highly Polished and Plated**. Stainless steel bushings extend entire length of each knuckle preventing wear on joints.

Inner edges of leaves are beveled to make close fitting joints. Outer edges and corners are ground square.

For hollow metal or kalamein doors use No. 1801-A (shown on Page 68).

No. 1820-A (U. S. Govt. Type No. 2005½), Wrought Brass Metal, Stainless Steel Pins with Brass Button Tips, **Highly Polished and Plated**. Stainless steel bushings extend entire length of each knuckle preventing wear on joints.

Inner edges of leaves are beveled to make close fitting joints. Outer edges and corners are ground square.

For hollow metal or kalamein doors use No. 1821-A (shown on Page 68).

Packed one pair in a box with brass screws.

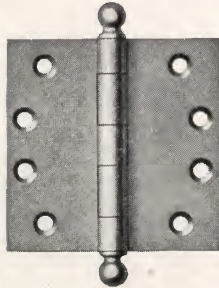
Size Open	Gauge of Metal	Quantity and Size of Screws F. H. Wood Each	Weight per Pair with Screws
3" x3"	.092	6— 7/8x 9	15 oz.
3½" x3½"	.123	6—1 x 9	1 lb. 7 oz.
4" x4"	.130	8—1 x10	1 lb. 15 oz.
4½" x4½"	.134	8—1¼x12	2 lbs. 9 oz.
5" x5"	.146	10—1¼x12	3 lbs. 5 oz.

For list of finishes see Page 9.

Wrought Steel Template Butt Hinges

For Hollow Metal or Kalamein Doors

Five Knuckle



SC1740

Ball Tip

SC1740 (U. S. Govt. Type No. 2015-BT), Cold Rolled Steel, Ball Tip, **Highly Polished** and copper plated before receiving final finishing coat of plating.

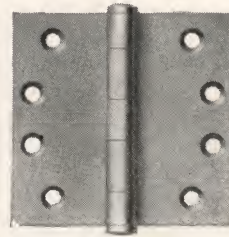
Inner edges of leaves are beveled to make close fitting joints.

Non-rising and self-lubricating pin.

Screw holes are located accurately to standard template.

For wood doors with wood jambs use SC2415 shown on Page 71.

Loose Pin



SC2495

Button Tip

SC2495 (U. S. Govt. Type No. 2015½-BT), Cold Rolled Steel, Button Tip, **Highly Polished** and copper plated before receiving final finishing coat of plating.

Inner edges of leaves are beveled to make close fitting joints.

Non-rising and self-lubricating pin.

Screw holes are located accurately to standard template.

For wood doors with wood jambs use SC2485 shown on Page 71.

Packed one pair in a box with half machine and half wood screws unless otherwise specified.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each		Weight per Pair with Screws
		F. H. Machine	F. H. Wood	
2½" x 2½"	.089	3—½x 8-32	3—¾x 8	9 oz.
3" x 3"	.092	3—½x10-24*	3—1 x 8	14 oz.
3½" x 3½"	.123	3—½x10-24	3—1 x10	1 lb. 5 oz.
4" x 4"	.130	4—½x12-24	4—1¼x12	1 lb. 13 oz.
4½" x 4½"	.134	4—½x12-24	4—1¼x12	2 lbs. 7 oz.
5" x 5"	.146	4—½x12-24	4—1¼x12	3 lbs. 2 oz.

*No. 8 Head.

For list of finishes see Page 9.

Wrought Steel Butts

Highly Polished and Plated

For Wood Doors with Wood Jambs

Five Knuckle



SC2415

Ball Tip

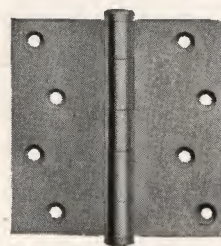
SC2415 (U. S. Govt. Type No. 2015-B), Cold Rolled Steel, Ball Tip, **Highly Polished** and copper plated before receiving final finishing coat of plating.

Inner edges of leaves are beveled to make close fitting joints.

Non-rising and self-lubricating pin.

For hollow metal or kalamein doors use SC1740 shown on Page 70.

Loose Pin



SC2485

Button Tip

SC2485 (U. S. Govt. Type No. 2015½-B), Cold Rolled Steel, Button Tip, **Highly Polished** and copper plated before receiving final finishing coat of plating.

Inner edges of leaves are beveled to make close fitting joints.

Non-rising and self-lubricating pin.

For hollow metal or kalamein doors use SC2495 shown on Page 70.

Packed one pair in a box with wood screws. Size 2½" x 2½" and smaller, packed 6 pairs in a box.

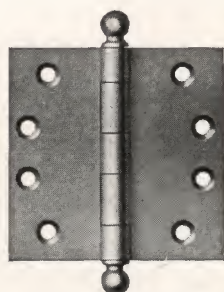
Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Weight per Pair with Screws
2" x 2"	.082	4— ¾x 7	6 oz.
2½" x 2½"	.089	6— ¾x 8	9 oz.
3" x 3"	.092	6— ¾x 9	14 oz.
3½" x 3½"	.123	6—1 x 9	1 lb. 5 oz.
4" x 4"	.130	8—1 x 10	1 lb. 13 oz.
4½" x 4½"	.134	8—1¼x12	2 lbs. 7 oz.
5" x 5"	.146	10—1¼x12	3 lbs. 2 oz.
6" x 6"	.160	10—1½x14	5 lbs. 1 oz.

For list of finishes see Page 9.

Wrought Steel Template Butts

For Hollow Metal or Kalamein Doors

Five Knuckle



SC1793 SC1790

Ball Tip

Screw holes are located accurately to standard template.

SC1793 Cold Rolled Steel, Polished and Plated. Perfect fitting joints with non-rising pin.

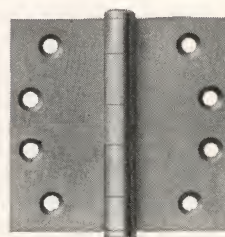
For wood doors with wood jambs use SC2412 shown on Page 74.

SC1790 (U. S. Govt. Type No. 2015-T), Cold Rolled Steel, Planished and Plated. Perfect fitting joints with non-rising pin.

For wood doors with wood jambs use SC2410 shown on Page 74.

Packed one pair in a box with half machine screws and half wood screws unless otherwise specified.

Loose Pin



SC2493 SC2490
SC2421

Button Tip

Screw holes are located accurately to standard template.

SC2493 Cold Rolled Steel, Polished and Plated. Perfect fitting joints with non-rising pin.

For wood doors with wood jambs use SC2482 shown on Page 73.

SC2490 (U. S. Govt. Type No. 2015½-T), Cold Rolled Steel, Planished and Plated. Perfect fitting joints with non-rising pin.

For wood doors with wood jambs use SC2480 shown on Page 73.

SC2421 (U. S. Govt. Type No. 2014½-PT), Prime Coat for painting. Inner edges of leaves are milled back allowing clearance for paint.

For wood doors with wood jambs use SC2420 shown on Page 73.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each		Weight per Pair with Screws
		F. H. Machine	F. H. Wood	
2" x2"	.082	2—½x 8-32	2—¾x 8	6 oz.
2½"x2½"	.089	3—½x 8-32	3—¾x 8	9 oz.
3" x3"	.092	3—½x10-24*	3—1 x 8	14 oz.
3½"x3½"	.123	3—½x10-24	3—1 x10	1 lb. 5 oz.
4" x4"	.130	4—½x12-24	4—1¼x12	1 lb. 13 oz.
4½"x4½"	.134	4—½x12-24	4—1¼x12	2 lbs. 7 oz.
5" x5"	.146	4—½x12-24	4—1¼x12	3 lbs. 2 oz.
6" x6"	.160	5—½x¼-20	5—1½x14	5 lbs. 1 oz.

*No. 8 Head.

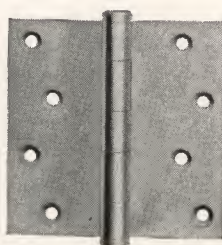
For list of finishes see Page 9.

Wrought Steel Button Tip Butt Hinges

For Wood Doors with Wood Jambs

Five Knuckle

Loose Pin



SC2420 SC2480
SC2482

Recommended for light weight wood doors in residences and other buildings that are not in the high-frequency classification.

SC2420 (U. S. Govt. Type No. 2014½-P), Cold Rolled Steel, **Prime Coat for painting**. Perfect fitting joints. Inner edges of leaves are milled back allowing clearance for paint.

For hollow metal or kalamein doors use SC2421 shown on Page 72.

SC2480 (U. S. Govt. Type No. 2015½), Cold Rolled Steel, **Planished and Plated**. Perfect fitting joints.

For hollow metal or kalamein doors use SC2490 shown on Page 72.

SC2482 Cold Rolled Steel, **Polished and Plated**. Perfect fitting joints with non-rising pin. When butt hinges are required in any of the bright finishes, this number is a good type to specify.

For hollow metal or kalamein doors use SC2493 shown on Page 72.

Packed one pair in a box with screws. Sizes 2"x2" and 2½"x2½" packed six pairs in a box.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
2" x2"	.082	4—¾x 7	6	102	33
2½" x2½"	.089	6—¾x 8	6	102	48½
3" x3"	.092	6—7/8x 9	1	50	39
3½" x3½"	.123	6—1 x 9	1	50	65
4" x4"	.130	8—1 x10	1	25	43½
4½" x4½"	.134	8—1¼x12	1	25	56½
5" x5"	.146	10—1¼x12	1	10	30
6" x6"	.160	10—1½x14	1	10	48

Butts for wide throw and for folding doors, **SC2420** and **SC2480** only.

3½" x5"	.123	6—1 x 9	1	10	18
4" x5"	.130	8—1 x10	1	10	20
4" x6"	.130	8—1 x10	1	10	26
4½" x6"	.134	8—1¼x12	1	10	28
5" x7"	.146	10—1¼x12	1	10	38
5" x8"	.146	10—1¼x12	1	10	42½

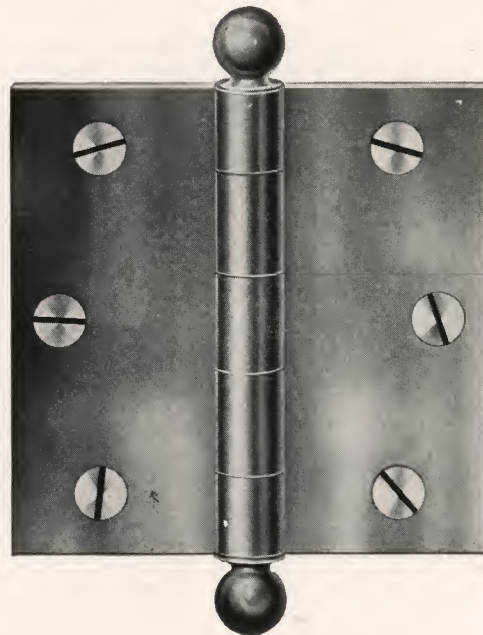
For list of finishes see Page 9.

Wrought Steel Ball Tip Loose Pin Butt Hinges

Number SC2410

(U. S. Govt. Type 2015)

Planished and Plated
SC2410



Polished and Plated
SC2412

SC2410 (U. S. Govt. Type No. 2015), Cold Rolled Steel, **Planished and Plated**. Perfect fitting joints.

We are also prepared to furnish special finishes to match samples. In ordering special finishes specify SC2410 and size desired and send sample finish.

For hollow metal or kalamein doors use SC1790 shown on Page 72.

SC2412 Cold Rolled Steel, **Polished and Plated**. Perfect fitting joints with non-rising pin.

When butt hinges are required in any of the bright finishes, this number is a good type to specify.

For hollow metal or kalamein doors use SC1793 shown on Page 72.

Numbers SC2410 or SC2412 Butts are made in standard sizes as follows:

Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pair in Box	Pair in Carton	Weight per Carton
2" x 2"	.082	4— $\frac{3}{4}$ x 7	6	102	33 lbs.
2½" x 2½"	.089	6— $\frac{3}{4}$ x 8	6	102	48 lbs. 8 oz.
3" x 3"	.092	6— $\frac{7}{8}$ x 9	1	50	41 lbs.
3½" x 3½"	.123	6—1 x 9	1	50	69 lbs.
4" x 4"	.130	8—1 x 10	1	25	45 lbs. 8 oz.
4½" x 4½"	.134	8—1¼ x 12	1	25	57 lbs.
5" x 5"	.146	10—1¼ x 12	1	10	30 lbs. 8 oz.
6" x 6"	.160	10—1½ x 14	1	10	48 lbs.

Butt hinges for wide throw and for folding doors (U. S. Govt. Type No. 2040), **SC2410** only.

3½" x 5"	.123	6—1 x 9	1	10	18 lbs.
4" x 5"	.130	8—1 x 10	1	10	20 lbs.
4" x 6"	.130	8—1 x 10	1	10	25 lbs.
4½" x 6"	.134	8—1¼ x 12	1	10	26 lbs.
5" x 7"	.146	10—1¼ x 12	1	10	38 lbs.
5" x 8"	.146	10—1¼ x 12	1	10	42 lbs. 8 oz.

For list of finishes see Page 9.

Wrought Steel Butt Hinges

Japanned and Bright Steel

(Zinc Plated with Steel Pin)

(Zinc Plated with Brass Pin)

(Hot Galvanized with Brass Pin)

Five Knuckle

Loose Pin

Ball Tip



No. 8230
SC8230

No. 7310
SC7310

SC2410-CD
SC2410-CDBP
SC2410-HGBP

No. 8230 Cold Rolled Steel, Bright Steel. Perfect fitting joints.

Packed one-half a dozen pair in a box without screws.

SC8230 Cold Rolled Steel, Bright Steel. Perfect fitting joints.

2"x2" and 2½"x2½" packed six pair in a box with screws. Larger sizes one pair in a box with screws.

No. 7310 Cold Rolled Steel, Japanned. Perfect fitting joints.

Packed one-half a dozen pair in a box without screws.

SC7310 Cold Rolled Steel, Japanned. Perfect fitting joints.

2"x2" and 2½"x2½" packed six pair in a box with screws. Other sizes one pair in a box with screws.

SC2410-CD Cold Rolled Steel, Zinc Plated with Steel Pin.

2"x2" and 2½"x2½" packed six pair in a box with screws. Larger sizes one pair in a box with screws.

SC2410-CDBP Cold Rolled Steel, Zinc Plated with Brass Pin.

2"x2" and 2½"x2½" packed six pair in a box with screws. Larger sizes one pair in a box with screws.

SC2410-HGBP (U. S. Govt. Type No. 2014), Cold Rolled Steel, Hot Galvanized with Brass Pin.

2"x2" and 2½"x2½" packed six pair in a box with screws. Larger sizes one pair in a box with screws.

Standard sizes.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pair in Box	Pair in Carton	Weight per Carton
2" x2"	.082	4—¾x 7	6	102	33 lbs.
2½" x2½"	.089	6—¾x 8	6	102	48 lbs. 8 oz.
3" x3"	.092	6—7/8x 9	1	50	41 lbs.
3½" x3½"	.123	6—1 x 9	1	50	69 lbs.
4" x4"	.130	8—1 x10	1	25	45 lbs. 8 oz.
4½" x4½"	.134	8—1¼x12	1	25	57 lbs.
5" x5"	.146	10—1¼x12	1	10	30 lbs. 8 oz.
6" x6"	.160	10—1½x14	1	10	48 lbs.

Butts for wide throw and for folding doors, SC2410 only.

3½" x5"	.123	6—1 x 9	1	10	18 lbs.
4" x5"	.130	8—1 x10	1	10	20 lbs.
4" x6"	.130	8—1 x10	1	10	26 lbs.
4½" x6"	.134	8—1¼x12	1	10	28 lbs.
5" x7"	.146	10—1¼x12	1	10	38 lbs.
5" x8"	.146	10—1¼x12	1	10	42 lbs. 8 oz.

For list of finishes see Page 9.

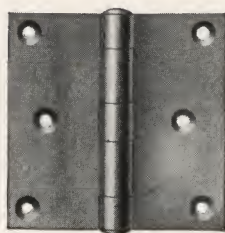
Template Transom Butts

For Hollow Metal Transoms or Wood Transoms with Steel Jambs

Five Knuckle

Standard Weight

Tight Pin



SC8071-A

SC8083

SC8081

SC8061-P

Screw Holes are Located Accurately to Standard Template

SC8071-A (U. S. Govt. Type No. 2028-T), Wrought Brass with hard Brass Pin, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints. Three sizes only; 3"x3", 3½"x3½" or 4"x4".

For wood transoms with wood frames use SC8070-A shown on Page 77.

SC8083 (U. S. Govt. Type No. 2029-CT), Cold Rolled Steel, **Highly Polished and Plated**. Inner edges of leaves are not beveled.

For wood transoms with wood frames use SC8082 shown on Page 77.

SC8081 (U. S. Govt. Type No. 2029-BT), Cold Rolled Steel, **Planished and Plated**.

For wood transoms with wood frames use SC8080 shown on Page 77.

SC8061-P (U. S. Govt. Type No. 2029-PT), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

For wood transoms with wood frames use SC8060-P shown on Page 77.

Packed one pair in a box with half machine screws and half wood screws unless otherwise specified.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each		Pair in Box	Weight per Pair with Screws
		F. H. Machine	F. H. Wood		
2" x2" #	.082	2—½x 8-32	2— ⅞x 8	6	5 oz.
2½"x2½" #	.089	3—½x 8-32	3— ⅞x 8	6	7½ oz.
3" x3"	.092	3—½x10-24*	3—1 x 8	1	12 oz.
3½"x3½"	.123	3—½x10-24	3—1 x10	1	1 lb. 4 oz.
4" x4"	.130	4—½x12-24	4—1¼x12	1	1 lb. 10 oz.

*No. 8 Head.

#Sizes 2"x2" and 2½"x2½" available in types SC8083, SC8081 and SC8061-P only.

For list of finishes see Page 9.

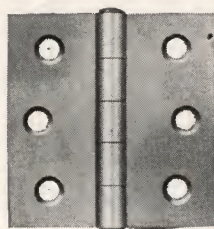
Transom Butts

For Wood Transoms with Wood Jambs

Five Knuckle

Standard Weight

Tight Pin



SC8070-A

SC8082

SC8080

SC8060-P

SC8070-A (U. S. Govt. Type No. 2028), Wrought Brass with hard Brass Pin, **Highly Polished and Plated**. Inner edges of leaves are beveled to make close fitting joints.

For metal transoms use Template SC8071-A shown on Page 76.

SC8082 (U. S. Govt. Type No. 2029-C), Cold Rolled Steel, **Polished and Plated**.

For metal transom use Template SC8083 shown on Page 76.

SC8080 (U. S. Govt. Type No. 2029-B), Cold Rolled Steel, **Planished and Plated**.

For metal transoms use Template SC8081 shown on Page 76.

SC8080-J Cold Rolled Steel, **Japanned**.

SC8060-P (U. S. Govt. Type No. 2029-P), Cold Rolled Steel, **Prime Coat for painting**. Inner edges of leaves are milled back allowing clearance for paint.

For metal transoms use Template SC8061-P shown on Page 76.

Sizes 2"x2" and 2½"x2½" packed 6 pair in a box with screws; **3"x3" and larger**, one pair in a box with screws.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pair in Box	Pair in Carton	Weight per Carton
2" x2" #	.082	4— ¾x 7	6	102	31 lbs.
2½" x2½" #	.089	6— ¾x 8	6	102	48 lbs.
3" x3"	.092	6— ⅞x 9	1	50	34 lbs.
3½" x3½"	.123	6— 1 x 9	1	50	57 lbs.
4" x4"	.130	8— 1 x10	1	25	36 lbs.

*Sizes 2"x2" and 2½"x2½" available in types SC8082, SC8080 and SC8060-P only.

For list of finishes see Page 9.

Wrought Steel Hinges

For Use on Cell Doors, Gates, Iron Shutters

EXTRA HEAVY



No. 8500 8540
8600 8640

No. 8500 (U. S. Govt. Type No. A-2030), Wrought Steel, Tight Pin, Five Knuckles. Blank, without screw holes. Not swaged; for surface application.

No. 8500-HGBP (U. S. Govt. Type No. A-2030-D), Hot Galvanized with Brass Pin.

No. 8540 (U. S. Govt. Type No. A-2030-A). Same as No. 8500 except with Loose Pin.

No. 8600 (U. S. Govt. Type No. A-2030-B). Same as No. 8500 except swaged for full mortise application, and with screw holes.

No. 8640 (U. S. Govt. Type No. A-2030-C). Same as No. 8600 except with Loose Pin.

Listing for No. 8500, No. 8540, No. 8600, No. 8640 Butts.

Size Open	Gauge of Metal	Dz. Pr. in Carton	Weight per Carton
2" x2"	.107	5	22
2½" x2½"	.119	2	16
3" x3"	.130	2	24
3½" x3"	.146	2	32
3½" x3½"	.146	2	34
4" x3"	.170	1	22
4" x4"	.170	1	27
4½" x4½"	.180	1	34½
5" x5"	.190	1	44
6" x6"	.203	½	33½

REGULAR WEIGHT

No. 8095 Wrought Steel, Blank, without screw holes. Tight Pin, Five Knuckles. Not swaged; for surface application.

Packed one-half a dozen pair in a box.

No. 8095-CDBP (U. S. Govt. Type No. B-2030-D), Zinc Plated with Brass Pin.

No. 8090. Same as No. 8095 except with screw holes, packed without screws.

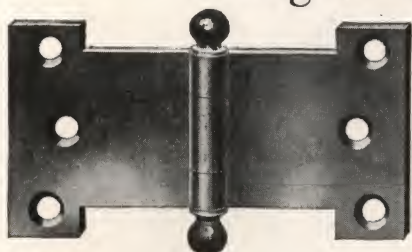


No. 8095
No. 8090 (with
Screw Holes)

Listing for No. 8090, No. 8095 Butts.

Size Open	Gauge of Metal	Quantity and Size of Screws Required, Each No. 8090	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
2" x2"	.083	4— ¾x 7	½	10	35
2½" x2½"	.083	6— ¾x 8	½	10	52
3" x3"	.093	6— 7/8x 9	½	5	40
3½" x3½"	.123	6—1 x 9	½	5	65
4" x4"	.130	8—1 x10	½	2	36
4½" x4½"	.135	8—1¼x12	½	2	51
5" x5"	.145	10—1¼x12	½	2	63

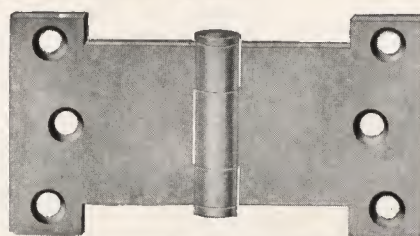
Wrought Steel Parliament Butt



Number SC244

With Loose Pin and Ball Tips

Furnished in Bright Steel without screws, specify No. 244; Japan, Zinc Plated or all plated finishes with screws, specify SC244.



Number SC243

With Loose Pin and Button Tips

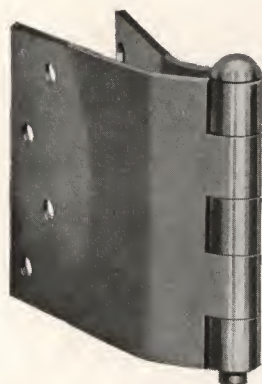
Furnished in Bright Steel without screws, specify No. 243; Prime Coat for painting, Zinc Plated or all plated finishes with screws, specify SC243.

Size		Flange		Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
Width Open	Length Joint	Length	Width					
3"	1½"	2¼"	1½"	.083	6—¾x8	6	5	26
3½"	1¾"	2⅞"	¾"	.105	6—⅞x9	6	5	38
4"	1¾"	2⅞"	¾"	.105	6—⅞x9	6	5	42½
4½"	1¾"	2⅞"	¾"	.105	6—⅞x9	6	5	44
5"	1¾"	2⅞"	1½"	.105	6—⅞x9	6	5	48
6"	2"	2⅞"	1"	.105	6—1x10	6	2	24½

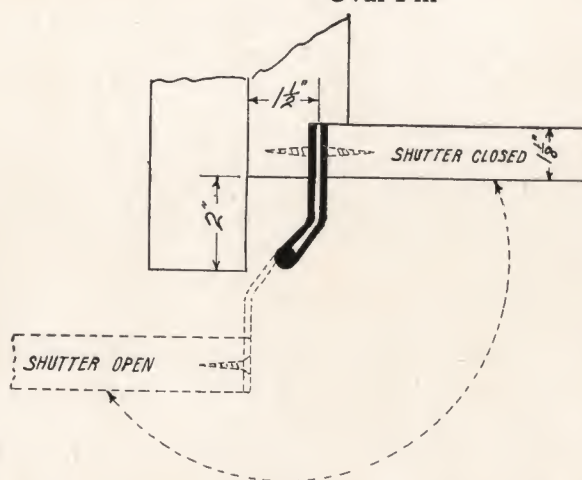
For list of finishes see Page 9.

Wrought Steel Blind Hinge Number 900

Loose Pin



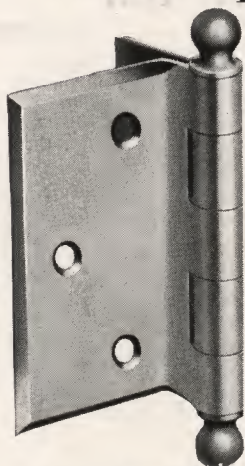
Oval Pin



This hinge is made with ¾ inch offset to swing shutter or blind parallel with wall and clear of opening. Furnished in Bright Steel without screws, specify No. 900; Zinc Plated with Brass Pin or Hot Galvanized with Brass Pin with screws, specify SC900 and finish desired.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
3"x5"	.123	8—⅞x9	1	10	16 lbs.
3"x6"	.123	8—⅞x9	1	10	18 lbs. 8 oz.
3"x7"	.123	8—⅞x9	1	10	20 lbs. 8 oz.
3"x8"	.123	8—⅞x9	1	10	23 lbs.

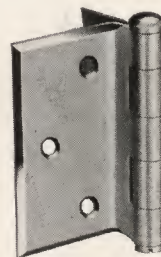
Non-Template Ornamental Half Surface Butts



Cut $\frac{1}{2}$ Actual Size
 $3\frac{1}{2}$ " SC344



Cut $\frac{1}{2}$ Size
 $1\frac{1}{2}$ " SC344



Cut $\frac{1}{3}$ Size
 $3\frac{1}{2}$ " SC364-P

Number SC344

These butts are reversible and can be made either right or left hand by unscrewing the tip, reversing the pin and screwing the tip in the opposite end. A slot is provided for unscrewing the nib. Sizes $1\frac{1}{2}$ and 2 inch have oval head pin without nib.

The butts are a time and labor saver, as in hanging doors it is only necessary to mortise the casement, put the door in place

SC344

(U. S. Govt. Type B2080).

Cold Rolled Steel.

Planished and Plated.

Ball Tip.

Perfect fitting joints.

Number SC364-P

and screw the ornamental leaf to the surface of the door.

Special attention is called to the countersunk holes on the ornamental leaf which accommodates oval head screws, furnished with each pair of butts. The extra purchase obtained by the oval head in the countersunk holes insures a rigid holding of the butt in place.

SC364-P

(U. S. Govt. Type B2080 $\frac{1}{2}$ -P).

Cold Rolled Steel.

Prime Coat for Painting.

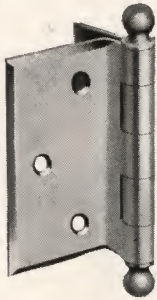
Button Tip.

Inner edges of leaves are milled back to allow clearance for paint.

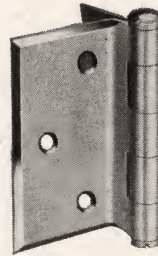
Sizes 3 inch and larger packed one pair in a box, smaller sizes 3 pair, with oval head wood screws for door leaf and flat head wood screws for jamb leaf.

Item Number	Size, Length of Joint	Type of Pin	Style	Gauge of Metal	Quantity and Size of Screws, Each			Pr. in Box	Pr. in Ctn.	Dz. in Ctn.	Pr. in Ctn.	Wt. per Ctn.
SC344	$1\frac{1}{2}$ "	Oval Hd.	Not Offset	.058	2— $\frac{5}{8}$ x 5	2— $\frac{5}{8}$ x 5	3			10		16
	2"	Oval Hd.	$\frac{3}{8}$ " Offset	.065	2— $\frac{3}{4}$ x 6	2— $\frac{5}{8}$ x 6	3			10		29
	$2\frac{1}{2}$ "	Ball Tip	$\frac{1}{2}$ " Offset	.072	3— $\frac{3}{4}$ x 8	3— $\frac{3}{4}$ x 8	3	48				22
	3"	Ball Tip	$\frac{9}{16}$ " Offset	.092	3— $\frac{7}{8}$ x 9	3— 1 x 9	1	50				48
	$3\frac{1}{2}$ "	Ball Tip	$\frac{11}{16}$ " Offset	.109	3— 1 x 9	3— $1\frac{1}{4}$ x10	1	25				35
	4"	Ball Tip	$\frac{11}{16}$ " Offset	.109	4— 1 x10	4— $1\frac{1}{4}$ x10	1	25				45
	$4\frac{1}{2}$ "	Ball Tip	$\frac{3}{4}$ " Offset	.134	4— $1\frac{1}{4}$ x12	3— $1\frac{1}{4}$ x12	1	25				67
	5"	Ball Tip	1" Offset	.145	5— $1\frac{1}{4}$ x12	4— $1\frac{1}{4}$ x12	1	10				36
For list of finishes see Page 9.												
SC364-P	2"	Oval Hd.	$\frac{3}{8}$ " Offset	.065	2— $\frac{3}{4}$ x 6	2— $\frac{5}{8}$ x 6	3			10		29
	$2\frac{1}{2}$ "	Button Tip	$\frac{1}{2}$ " Offset	.072	3— $\frac{3}{4}$ x 8	3— $\frac{3}{4}$ x 8	3	48				22
	3"	Button Tip	$\frac{9}{16}$ " Offset	.092	3— $\frac{7}{8}$ x 9	3— 1 x 9	1	50				46
	$3\frac{1}{2}$ "	Button Tip	$\frac{11}{16}$ " Offset	.109	3— 1 x 9	3— $1\frac{1}{4}$ x10	1	25				33
	4"	Button Tip	$\frac{11}{16}$ " Offset	.109	4— 1 x10	4— $1\frac{1}{4}$ x10	1	25				42
	$4\frac{1}{2}$ "	Button Tip	$\frac{3}{4}$ " Offset	.134	4— $1\frac{1}{4}$ x12	3— $1\frac{1}{4}$ x12	1	25				64

Template Ornamental Half Surface Butts



Cut $\frac{1}{3}$ Size
3 $\frac{1}{2}$ " SC346



Cut $\frac{1}{3}$ Size
3 $\frac{1}{2}$ " SC366-P

Number SC346

These butts are reversible and can be made either right or left hand by unscrewing the tip, reversing the pin and screwing

SC346

(U. S. Govt. Type B2080-T).

Cold Rolled Steel.

Planished and Plated.

Ball Tip.

Perfect fitting joints.

Screw holes are located accurately to standard template.

Number SC366-P

the tip in the opposite end. A slot is provided for unscrewing the nib.

SC366-P

(U. S. Govt. Type B2080 $\frac{1}{2}$ -PT).

Cold Rolled Steel.

Prime Coat for Painting.

Button Tip.

Inner edges of leaves are milled back to allow clearance for paint.

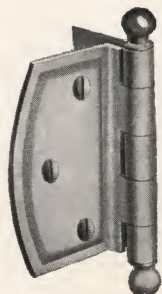
Screw holes are located accurately to standard template.

Packed one pair in a box with oval head machine screws with grommet nuts for door leaf and flat head machine screws for jamb leaf. Specify thickness of door when ordering.

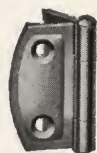
Item Number	Size, Length of Joint	Type of Pin	Style	Gauge of Metal	Quantity and Size of Screws, Each		Pr. in Box	Pr. in Carton	Weight per Carton
					F.H. Machine Jamb Leaf	O.H. Machine Door Leaf			
SC346	3"	Ball Tip	$\frac{9}{16}$ " Offset	.092	3— $\frac{1}{2}$ x10-24#	3—1 $\frac{1}{2}$ x10-24	1	50	49 $\frac{1}{2}$
	3 $\frac{1}{2}$ "	Ball Tip	$\frac{11}{16}$ " Offset	.123	3— $\frac{1}{2}$ x10-24	3—2 x10-24	1	25	38
	4"	Ball Tip	$\frac{11}{16}$ " Offset	.130	4— $\frac{1}{2}$ x12-24	3—2 x $\frac{1}{4}$ -20	1	25	51
	4 $\frac{1}{2}$ "	Ball Tip	$\frac{3}{4}$ " Offset	.134	4— $\frac{1}{2}$ x12-24	3—2 x $\frac{1}{4}$ -20	1	25	73
For list of finishes see Page 9.									
SC366-P	3"	Button Tip	$\frac{9}{16}$ " Offset	.092	3— $\frac{1}{2}$ x10-24#	3—1 $\frac{1}{2}$ x10-24	1	50	48 $\frac{1}{2}$
	3 $\frac{1}{2}$ "	Button Tip	$\frac{11}{16}$ " Offset	.123	3— $\frac{1}{2}$ x10-24	3—2 x10-24	1	25	37
	4"	Button Tip	$\frac{11}{16}$ " Offset	.130	4— $\frac{1}{2}$ x12-24	3—2 x $\frac{1}{4}$ -20	1	25	49
	4 $\frac{1}{2}$ "	Button Tip	$\frac{3}{4}$ " Offset	.134	4— $\frac{1}{2}$ x12-24	3—2 x $\frac{1}{4}$ -20	1	25	71

#No. 8 Head.

Ornamental Half Surface Butts



$\frac{1}{3}$ Size of
3 $\frac{1}{2}$ inch



$\frac{1}{2}$ Size of
1 $\frac{1}{2}$ inch



$\frac{1}{3}$ Size of
3 $\frac{1}{2}$ inch



$\frac{1}{2}$ Size of
1 $\frac{1}{2}$ inch

Number SC345

Planished and Plated, made of Cold Rolled Steel and having perfect fitting joints.

These butts are reversible and can be made either right or left hand by unscrewing the ball tip, reversing the pin and screwing the tip in the opposite end. A slot is provided for unscrewing the nib.

The butts are a time and labor saver, as in hanging doors it is only necessary to

mortise the casement, put the door in place and screw the ornamental leaf to the surface of the door.

Special attention is called to the counter-sunk holes on the ornamental leaf which accommodates oval head screws, furnished with each pair of butts. The extra purchase obtained by the oval head in the counter-sunk holes insures a rigid holding of the butt in place.

Sizes 3 inch and larger packed one pair in a box, smaller sizes 3 pair, with oval head wood screws for door leaf and flat head wood screws for jamb leaf.

Item Number	Size, Length of Joint, Inches	Type of Pin	Style	Gauge of Metal	Quantity and Size of Screws, Each		Pair in Box	Pair in Ctn.	Weight per Ctn.
					Jamb F. H.	Door O. H.			
SC345	1 $\frac{1}{2}$	Oval Hd.	Not Offset	.058	2— $\frac{5}{8}$ x 5	2— $\frac{5}{8}$ x 4	3	102	13
	2	Oval Hd.	Not Offset	.065	2— $\frac{3}{4}$ x 6	2— $\frac{5}{8}$ x 6	3	102	22
	2 $\frac{1}{2}$	Ball Tip	$\frac{1}{2}$ " Offset	.072	3— $\frac{3}{4}$ x 8	3— $\frac{3}{4}$ x 8	3	48	22 $\frac{1}{2}$
	3	Ball Tip	$\frac{5}{8}$ " Offset	.093	3— $\frac{7}{8}$ x 9	3—1 x 9	1	50	46
	3 $\frac{1}{2}$	Ball Tip	$\frac{11}{16}$ " Offset	.109	3—1 x 9	3—1 $\frac{1}{4}$ x10	1	25	35
	4	Ball Tip	$\frac{11}{16}$ " Offset	.109	4—1 x10	4—1 $\frac{1}{4}$ x10	1	25	44 $\frac{1}{2}$
SC1357	1 $\frac{1}{2}$	Oval Hd.	Not Offset	.058	2— $\frac{5}{8}$ x 5	2— $\frac{5}{8}$ x 4	3	102	18
	1 $\frac{3}{4}$	Oval Hd.	Not Offset	.065	2— $\frac{5}{8}$ x 5	2— $\frac{5}{8}$ x 5	3	102	23
	2	Oval Hd.	Not Offset	.065	2— $\frac{3}{4}$ x 7	2— $\frac{5}{8}$ x 6	3	102	35
	2 $\frac{1}{2}$	Ball Tip	$\frac{1}{2}$ " Offset	.083	3— $\frac{3}{4}$ x 8	3— $\frac{3}{4}$ x 8	3	48	40
	3	Ball Tip	$\frac{5}{8}$ " Offset	.093	3— $\frac{7}{8}$ x 9	3—1 x 9	1	50	49
	3 $\frac{1}{2}$	Ball Tip	$\frac{11}{16}$ " Offset	.109	3—1 x 9	3—1 $\frac{1}{4}$ x10	1	25	38
	4	Ball Tip	$\frac{11}{16}$ " Offset	.109	4—1 x10	3—1 $\frac{1}{4}$ x10	1	25	51

For list of finishes see Page 9.

Ornamental Half Surface Butts

Number SC1357½

Made in 2½ inch size only. Without offset.

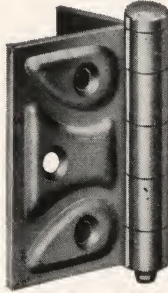


Illustration ½ Actual Size

Five-knuckle joint for strength and long wear.

This butt is especially popular for application on 1¼-inch combination doors hung on a ⅞-inch casing. Having no offset, the screw holes set back far enough on a ⅞-inch casing to obtain a substantial fastening. Installation time is saved as it is only necessary to mortise the jamb leaf and fasten the ornamental leaf to the surface of the door.

Reversing for right or left hand doors has been made easy by the new button tip pin,

which eliminates the necessity of unscrewing a nib and replacing it in the opposite end.

This butt is also suitable for use on casement windows, and screen and storm doors where windows and doors are flush with casing.

Furnished with 1-inch oval head screws for secure attachment of the door leaf, and ⅞-inch flat head screws for the jamb leaf.

Use three butts to a door.

Packed three pair in a box with screws.

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
2½"	.083	3— 1x8 O.H. 3— ⅞x8 F.H.	3	48	26

For list of finishes see Page 9.

Ornamental Half Surface Slip Joint Hinge Number SC1353

Size 2½"

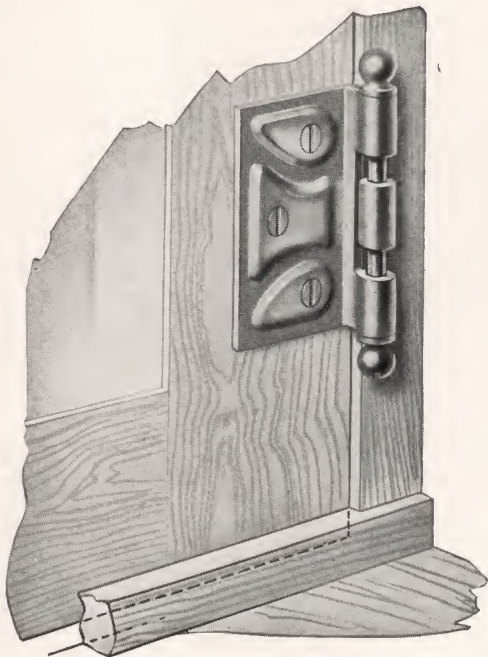


Illustration ½ Actual Size
of Left Hand Hinge

Furnished in all finishes and one size only. This is the same pattern and style butt as 2½" SC1357 with joint cut-a-way to slip over casements.

Reversible for right or left hand doors by unscrewing slotted nib and replacing in opposite end.

Packed three pair in a box with screws.

Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
2½"	.083	3—¾x8 O.H. 3—¾x8 F.H.	3	48	26

For list of finishes see Page 9.

Friction Plate Number SC353



Illustration ½ Actual Size

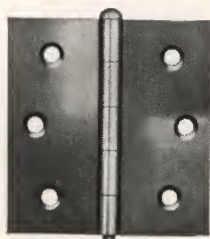
To avoid wear on the sill it is desirable to use our SC353 Friction Plates with the above (SC1353) hinges. Made of cold rolled steel and finished to match the hinges.

Packed one dozen in a box with screws.

Size of Plate	Gauge of Metal	Quantity and Size of Screws, Each	Doz. in Box	Doz. in Carton	Weight per Carton
3"x1½"	.083	2—¾x8 F.H.	1	10	13

For list of finishes see Page 9.

Wrought Steel Butts

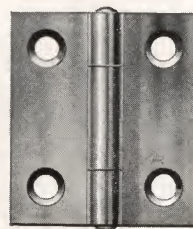


No. 830
Light Reversible
Loose Pin

Bright steel butts are packed one dozen pair in a box without screws; plated butts are packed one pair in an envelope with screws, specify **SC830** and finish desired.

Will pack bright steel butts one pair in envelope with screws, specify **SC830**.

All sizes have five knuckles in the joint.



No. 850
Narrow Butt
Tight Pin

Bright steel butts are packed one dozen pair in a box without screws.

Size $2\frac{1}{2}$ inch and smaller have three knuckles in the joint; the larger sizes have five.

No. 830

Size Open	Gauge of Metal	Screw Holes in Each	Size of Screw, Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
2" x2"	.065	4	6	1	10	24
2½" x2"	.065	6	6	1	10	31½
2½" x2½"	.065	6	6	1	10	37
3" x3"	.072	6	7	1	10	56

SC830

Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
2" x2"	.065	4—¾x6	12	10	27½
2½" x2"	.065	6—¾x6	12	10	35
2½" x2½"	.065	6—¾x6	12	10	40
3" x3"	.072	6—¾x7	12	10	60

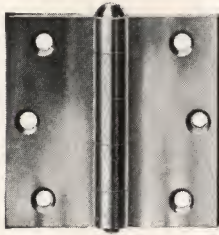
For list of finishes see Page 9.

No. 850

Size, Length of Joint	Width Open	Gauge of Metal	Screw Holes in Each	Size of Screw, Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
1"	1⅛"	.058	4	5	1	50	33
1¼"	1⅜"	.065	4	6	1	25	24
1½"	1½"	.072	4	6	1	25	41
1¾"	1⅞"	.072	4	8	1	25	50
2"	1⅞"	.072	4	8	1	25	65
2½"	1⅞"	.083	6	8	1	10	39
3"	2⅛"	.083	6	9	1	10	51
3½"	2½"	.087	6	10	1	5	36½
4"	2⅞"	.095	8	10	1	5	55

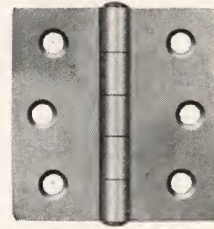
Wrought Steel Broad Butts

Five Knuckle



No. 8040
Reversible Butt
Loose Pin

(SC8040 U. S. Govt. Type No. 2031)
(SC8040-CDBP U. S. Govt. Type No. 2031-A)



No. 8080
Tight Pin

(SC8080 Plated U. S. Govt. Type No. 2029-B)
(SC8080-CD U. S. Govt. Type No. 2029-A)
(SC8080-CDBP U. S. Govt. Type No. 2029-AA)

No. 8040 and No. 8080 Butts regularly furnished in Bright Steel, packed one-half dozen pair in a box without screws.

When desired will be furnished with screws, packed one pair in a box, size 3"x2½" and larger; smaller sizes six pair in a box. Specify **SC8040** or **SC8080**.

SC8040 and SC8080 furnished in Zinc plated with Steel Pin, Zinc plated with Brass Pin, Hot Galvanized with Brass Pin and any plated finishes. Packed as listed below.

When two dimensions are given, the first always indicates the length of joint.

No. 8040 and No. 8080

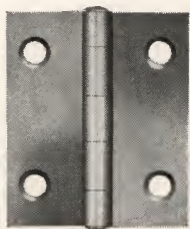
Size Open	Gauge of Metal	Screw Holes in Each	Size of Screw Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton	
						No. 8040	No. 8080
2" x2"	.083	4	7	½	10	34	34
2" x2½"	.083	4	7	½	10	38¾	38¾
2½" x2"	.083	6	8	½	10	45	45
2½" x2½"	.083	6	8	½	10	51	51
2½" x3"	.083	6	9	½	5	32½	30
3" x2½"	.093	6	9	½	5	34	33
3" x3"	.093	6	9	½	5	36	36
3" x3½"	.093	6	9	½	5	46	43½
3½" x3"	.109	6	9	½	5	57½	56
3½" x3½"	.109	6	9	½	5	64	63
4" x4"	.109	8	10	½	2	33	32½
4½" x4½"	.135	8	12	½	2	48	48
5" x5"	.145	10	12	½	1	32	31
6" x6"	.160	10	14	½	1	51	49

SC8040 and SC8080

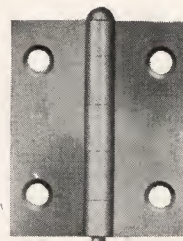
Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pair in Box	Pair in Carton	Weight per Carton	
					SC8040	SC8080
2" x2"	.083	4—¾x 7	6	102	31	31
2" x2½"	.083	4—¾x 7	6	102	35	35
2½" x2"	.083	6—¾x 8	6	102	43½	43½
2½" x2½"	.083	6—¾x 8	6	102	48	47
2½" x3"	.083	6—¾x 9	6	102	56	55
3" x2½"	.093	6—¾x 9	1	50	32	32
3" x3"	.093	6—¾x 9	1	50	34	34
3" x3½"	.093	6—¾x 9	1	50	38½	38½
3½" x3"	.109	6—1 x 9	1	50	51	51
3½" x3½"	.109	6—1 x 9	1	50	57½	57¼
4" x4"	.109	8—1 x10	1	25	36	36
4½" x4½"	.135	8—1¼x12	1	25	55	54
5" x5"	.145	10—1¼x12	1	10	29½	28½
6" x6"	.160	10—1½x14	1	10	46	45

For list of finishes see Page 9.

Wrought Steel Light Narrow Butt



Number 810
Tight Pin



Number 820
Loose Pin

Bright Steel butts are packed one dozen pair in a box without screws; plated butts are packed with plated screws to match, specify **SC810** and finish desired.

Will pack Bright Steel butts one pair in envelope with screws, specify **SC810**.

Size $1\frac{3}{4}$ inch and smaller have three knuckles in the joint, the larger sizes have five.

Bright Steel butts are packed one dozen pair in a box without screws; plated butts are packed with plated screws to match, specify **SC820** and finish desired.

Will pack Bright Steel butts one pair in envelope with screws, specify **SC820**.

Size $1\frac{3}{4}$ inch and smaller have three knuckles in the joint, the larger sizes have five.

No. 810 and No. 820

Size, Length of Joint	Width Open	Gauge of Metal	Screw Holes in Each	Size of Screw Hole Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
1"	1"	.050	4	4	1	50	25
$1\frac{1}{4}$ "	$1\frac{1}{8}$ "	.050	4	4	1	25	19
$1\frac{1}{2}$ "	$1\frac{3}{8}$ "	.058	4	5	1	25	25
$1\frac{3}{4}$ "	$1\frac{7}{8}$ "	.065	4	5	1	25	39
2"	$1\frac{1}{4}$ "	.065	4	6	1	25	$49\frac{1}{2}$
$2\frac{1}{4}$ "	$1\frac{1}{2}$ "	.065	6	6	1	25	56
$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	.065	6	6	1	25	63
3"	2"	.072	6	7	1	10	39
$3\frac{1}{2}$ "	$2\frac{1}{4}$ "	.072	6	8	1	10	55

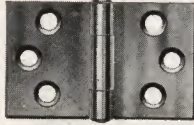
SC810 and SC820

Size, Length of Joint	Width Open	Gauge of Metal	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
1"	1"	.050	4— $\frac{1}{2}$ x4	1	50	$33\frac{1}{2}$
$1\frac{1}{4}$ "	$1\frac{1}{8}$ "	.050	4— $\frac{1}{2}$ x4	1	25	$20\frac{1}{2}$
$1\frac{1}{2}$ "	$1\frac{3}{8}$ "	.058	4— $\frac{5}{8}$ x5	1	25	34
$1\frac{3}{4}$ "	$1\frac{7}{8}$ "	.065	4— $\frac{5}{8}$ x5	1	25	42
2"	$1\frac{1}{4}$ "	.065	4— $\frac{3}{4}$ x6	1	25	56
$2\frac{1}{4}$ "	$1\frac{1}{2}$ "	.065	6— $\frac{3}{4}$ x6	1	25	64
$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	.065	6— $\frac{3}{4}$ x6	1	25	72
3"	2"	.072	6— $\frac{3}{4}$ x7	1	10	$44\frac{1}{2}$
$3\frac{1}{2}$ "	$2\frac{1}{4}$ "	.072	6— $\frac{3}{4}$ x8	1	10	61

For list of finishes see Page 9.

Light Inside Blind Butts

Number 860



Wrought Steel

Bright Steel packed one dozen pair in a box without screws. Will pack with screws, specify SC860. Plated finishes packed with screws; specify SC860 and finish desired. For list of finishes see page 9.

Item Number	Size, Length of Joint	Width Open	Width of Each Leaf Long	Short	Gauge of Metal	Quantity and Size of Screws Required, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
860	1"	1 $\frac{5}{8}$ "			.050	6— $\frac{1}{2}$ x4	1	25	21
	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "			.058	6— $\frac{5}{8}$ x5	1	25	27
	1 $\frac{1}{4}$ "	1 $\frac{7}{8}$ "			.058	6— $\frac{3}{4}$ x6	1	25	30 $\frac{1}{2}$
	1 $\frac{1}{2}$ "	2 $\frac{3}{8}$ "			.058	6— $\frac{3}{4}$ x7	1	25	43
815	1"		1 $\frac{5}{16}$ "	1"	.072	6— $\frac{3}{4}$ x6	1	25	39
	1 $\frac{1}{8}$ "		1 $\frac{3}{8}$ "	1 $\frac{1}{16}$ "	.072	6— $\frac{3}{4}$ x7	1	25	46
	1 $\frac{1}{4}$ "		1 $\frac{7}{16}$ "	1 $\frac{1}{8}$ "	.072	6— $\frac{3}{4}$ x8	1	25	52
	1 $\frac{1}{2}$ "		1 $\frac{9}{16}$ "	1 $\frac{1}{4}$ "	.072	6— $\frac{3}{4}$ x8	1	10	28
	1 $\frac{3}{4}$ "		1 $\frac{13}{16}$ "	1 $\frac{3}{8}$ "	.072	6— $\frac{3}{4}$ x8	1	10	35

Table Hinges

Number 815



Wrought Steel

Flush Pins

Packed one dozen pair in a box without screws.

Wrought Steel Back Flaps

Number 825

Tight Pin



Number 827

Loose Pin



Number 826

Square

Tight Pin

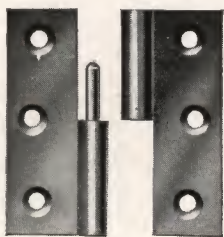


Packed one dozen pair in a box without screws.
No. 825 and No. 827

Size, Length of Joint	Width Open	Gauge of Metal	Screw Holes in Each	Size Screw, Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
$\frac{3}{4}$ "	2 $\frac{3}{4}$ "	.072	6	6	1	25	28
$\frac{7}{8}$ "	2 $\frac{1}{8}$ "	.072	6	6	1	25	34 $\frac{1}{2}$
1"	2 $\frac{7}{8}$ "	.072	6	6	1	25	45
1 $\frac{1}{8}$ "	3"	.072	6	6	1	25	49 $\frac{1}{2}$
1 $\frac{1}{4}$ "	3 $\frac{1}{8}$ "	.072	6	7	1	25	53
1 $\frac{1}{2}$ "	3 $\frac{7}{8}$ "	.072	6	8	1	10	32
1 $\frac{3}{4}$ "	4"	.072	6	8	1	10	40
2"	4 $\frac{3}{8}$ "	.072	6	8	1	10	49
No. 826							
1"	2 $\frac{5}{16}$ "	.072	6	6	1	25	33
1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "	.072	6	7	1	25	41 $\frac{1}{2}$
1 $\frac{1}{2}$ "	2 $\frac{3}{4}$ "	.072	6	8	1	10	24
1 $\frac{3}{4}$ "	3 $\frac{1}{8}$ "	.072	6	8	1	10	31 $\frac{1}{2}$
2"	3 $\frac{1}{4}$ "	.072	6	8	1	10	45 $\frac{1}{2}$

Narrow Loose Joint Butts

Number 818



Wrought Steel

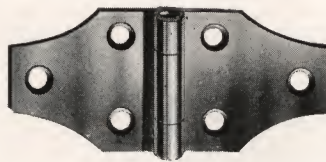
Cut of $2\frac{1}{2}$ — Left Hand Hinge

Bright Steel and Zinc Plated.

Bright Steel packed one dozen pair in a box without screws, either right or left hand. Zinc Plated packed one dozen pair in a box with screws, **SC818-CD**. Bright Steel will be furnished with screws, specify **SC818**. Specify hand when ordering.

End Gate Hinges

Number 875



Wrought Steel

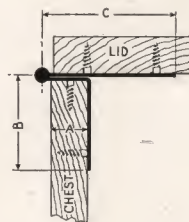
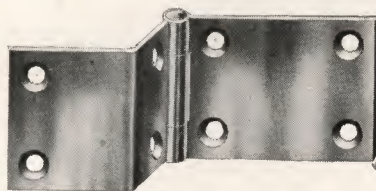
Made in two sizes.

$1\frac{3}{4}$ x4 and $2\frac{1}{4}$ x5 inches.

Item Number	Size, Length of Joint	Width Open	Gauge of Metal	Quantity and Size of Screws, Each		Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
818	2"	$1\frac{5}{8}$ "	.065	4— $\frac{3}{4}$ x6		1	25	$32\frac{1}{2}$
	$2\frac{1}{2}$ "	$1\frac{11}{8}$ "	.072	6— $\frac{3}{4}$ x7		1	10	31
				Screw Holes in Each	Size Screw, Number			Weight per Dz. Pr.
875	$1\frac{3}{4}$ "	4"	.095	6	8	Bulk Packing		$4\frac{3}{4}$
	$2\frac{1}{4}$ "	5"	.095	6	10	Bulk Packing		8

Chest Hinges

Number 865



Wrought Steel

Packed one dozen pair in a box without screws.

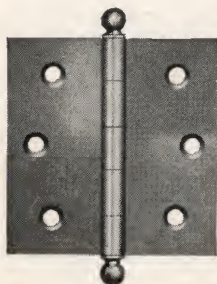
Size, Length of Joint	Width of Offset from Joint to Bend (A)	Width from Bent Leaf (B)	Center of Pin Straight Leaf (C)	Screw Holes in Each	Size Screw, Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
$1\frac{1}{2}$ "	$\frac{1}{2}$ "	$1\frac{9}{16}$ "	$2\frac{3}{16}$ "	8	7	1	10	36
$1\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{16}$ "	$2\frac{3}{16}$ "	8	7	1	10	36
$1\frac{1}{2}$ "	$\frac{3}{4}$ "	$1\frac{5}{16}$ "	$2\frac{3}{16}$ "	8	7	1	10	36
$1\frac{1}{2}$ "	$\frac{7}{8}$ "	$1\frac{3}{16}$ "	$2\frac{3}{16}$ "	8	7	1	10	36
2"	$\frac{1}{2}$ "	$2\frac{1}{16}$ "	$2\frac{13}{16}$ "	8	7	1	5	$35\frac{1}{2}$
2"	$\frac{5}{8}$ "	$1\frac{15}{16}$ "	$2\frac{13}{16}$ "	8	7	1	5	$35\frac{1}{2}$
2"	$\frac{3}{4}$ "	$1\frac{13}{16}$ "	$2\frac{13}{16}$ "	8	7	1	5	$35\frac{1}{2}$
2"	$\frac{7}{8}$ "	$1\frac{11}{16}$ "	$2\frac{13}{16}$ "	8	7	1	5	$35\frac{1}{2}$

In ordering be sure to state size and offset wanted.

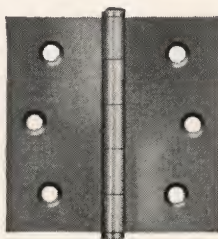
Light Loose Pin Butts

For Use in Cupboards, China Closets, Cabinets, Bookcases and Medicine Cabinets

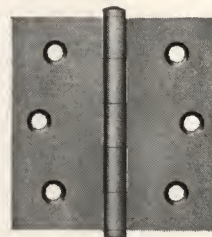
Loose Pin



SC2400-A SC2400
SC2402



SC2852-A SC2852
SC2855



SC2850

SC2400-A

(U. S. Govt. Type No. 2017A)
Wrought Brass
Ball Tip
Polished and Plated

SC2402

(U. S. Govt. Type No. 2018-A)
Wrought Steel
Ball Tip
Polished and Plated

SC2400

(U. S. Govt. Type No. 2018)
Wrought Steel
Ball Tip
Planished and Plated

SC2852-A

(U. S. Govt. Type No. 2017½-A)
Wrought Brass
Button Tip
Polished and Plated

SC2852

Wrought Steel
Button Tip
Polished and Plated

SC2855

(U. S. Govt. Type No. 2018½)
Wrought Steel
Button Tip
Planished and Plated

SC2850

(U. S. Govt. Type No. 2018½-P)
Wrought Steel
Button Tip
Prime Coat for painting
Inner edges of the leaves are milled back allowing clearance for paint.

Packed one-half dozen pair in a box with screws.

All sizes have five knuckles.

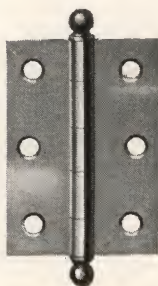
Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
2" x2"	.065	4—¾x6	½	10	29
2½" x2"	.065	6—¾x6	½	10	35
2½" x2½"	.065	6—¾x6	½	10	40
3" x2½"	.072	6—¾x7	½	10	54
3" x3"	.072	6—¾x7	½	10	63

For list of finishes see Page 9.

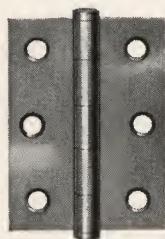
Light Narrow Butts

For Use on Bookcases, Cupboards, Medicine Cabinets, China Closets

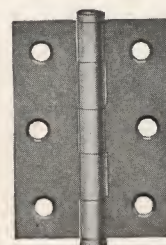
Loose Pin



SC240-A SC242
SC240



SC252-A SC252
SC255



SC239

SC240-A

(U. S. Govt. Type No. 2021)
Wrought Brass
Ball Tip
Polished and Plated

SC242

Wrought Steel
Ball Tip
Polished and Plated

SC240

(U. S. Govt. Type No. 2022)
Wrought Steel
Ball Tip
Planished and Plated

SC252-A

Wrought Brass
Button Tip
Polished and Plated

SC252

Wrought Steel
Button Tip
Polished and Plated

SC255

Wrought Steel
Button Tip
Planished and Plated

SC239

(U. S. Govt. Type No. 2022½-P)
Wrought Steel
Button Tip
Prime Coat for painting
Inner edges of the leaves are milled
back allowing clearance for paint.

Size 1¾ inch and smaller have three knuckles in the joint, the larger sizes have five.

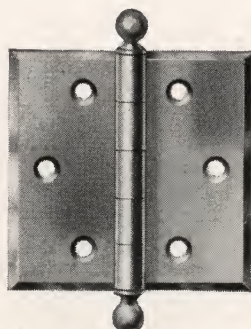
Packed one-half dozen pair in a box with screws.

Length of Joint	Width Open	Gauge of Metal	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
1½"	1⅜"	.058	4—⅝x5	½	10	16
1¾"	1⅞"	.065	4—⅝x5	½	10	20½
2"	1⅞"	.065	4—¾x6	½	10	24½
2¼"	1⅞"	.065	6—¾x6	½	10	28
2½"	1¾"	.065	6—¾x6	½	10	31½
3"	2"	.072	6—¾x7	½	10	46½
3½"	2¼"	.072	6—¾x8	½	5	36½

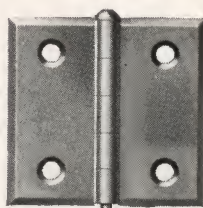
For list of finishes see Page 9.

Cabinet Hinges for Flush Doors

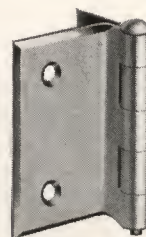
Planished and Plated
Loose Pin



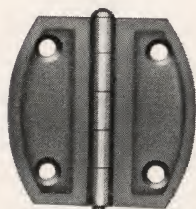
2½, 3, 3½ and 4 inch
SC340
Cut ½ Size of 2½"



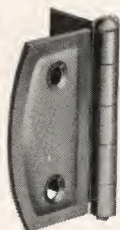
1½ and 2 inch
SC340
Cut ½ Size of 2"



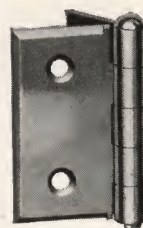
2 inch
SC344
Cut ½ Size



1½ and 2 inch
SC3450 (Wrought Steel)
1½ inch
SC3450-A (Wrought Brass)
Cut ½ Size of 2"



1½ and 2 inch
SC345
Cut ½ Size of 2"



2 inch
SC1344
Cut ½ Size.

Packed with screws.

Item Number	Size, Length of Joint	Gauge of Metal	Type of Pin	Style	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Dz. Pr. in Carton	Weight per Carton
SC340	1½"	.058	Oval Head		4— ⅝x 5 O.H.	3		10	19
	2"	.065	Oval Head		4— ⅝x 6 O.H.	3		10	29
	2½"	.072	Ball Tip		6— ⅝x 6 O.H.	3	102		34
	3"	.093	Ball Tip		6—1 x 9 O.H.	1	50		42
	3½"	.123	Ball Tip		6—1¼x10 O.H.	1	25		35
	4"	.130	Ball Tip		8—1¼x10 O.H.	1	25		45
SC344#	1½"	.058	Oval Head	Not Offset	2— ⅝x 5 O.H.	3		10	16
					2— ⅝x 5 F.H.				
	2"	.065	Oval Head	⅜" Offset	2— ⅝x 6 O.H.	3		10	29
					2— ¾x 6 F.H.				
SC3450	1½"	.058	Oval Head		4— ⅝x 5 O.H.	12		10	14
	2"	.065	Oval Head		4— ⅝x 5 O.H.	12		10	24
SC3450-A	1½"†	.058	Oval Head		4— ⅝x 5 O.H.	12		10	15½
SC345#	1½"	.058	Oval Head	Not Offset	2— ⅝x 5 O.H.	3		10	15½
					2— ⅝x 5 F.H.				
	2"	.065	Oval Head	Not Offset	2— ⅝x 6 O.H.	3		10	28
					2— ¾x 6 F.H.				
SC1344	2"	.065	Oval Head	Not Offset	2— ⅝x 6 O.H.	3		10	29
					2— ¾x 6 F.H.				

Sizes 1½" have three knuckles to the hinge; others five.

#Larger sizes, see Pages 80 and 82.

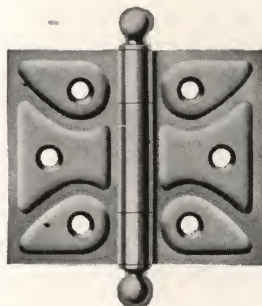
†Size 1½" SC3450-A only, is made of Wrought Brass.

For list of finishes see Page 9.

Cabinet Hinges for Flush Doors

Planished and Plated

Loose Pin



2½ inch
SC1358
Cut Approx. ½ Size

Loose Pin



1½, 1¾, 2 inch
SC1358
Cut ½ Size of 1½"

Loose Pin



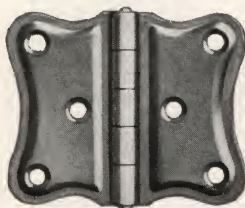
1¾ and 2 inch
SC1357
Cut ½ Size of 2"

Loose Pin



1½ inch
SC1357
Cut ½ Size

Tight Pin



Cut ½ Size
SC1355

Loose Pin



Cut ½ Size
SC1354

Packed with screws.

Item Number	Size, Length of Joint	Gauge of Metal	Type of Pin	Style	Quantity and Size of Screws, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
SC1358#	1½"	.058	Oval Head		6—5/8x5 O.H.	12	25	32
	1¾"	.065	Oval Head		6—5/8x5 O.H.	12	10	23½
	2"	.072	Oval Head		6—5/8x6 O.H.	12	10	43½
	2½"	.083	Ball Tip		6—¾x8 O.H.	3	5	35½
SC1357†#	1½"	.058	Oval Head	Not Offset	2—5/8x5 F.H.	3	10	13½
					2—5/8x5 O.H.			
	1¾"	.065	Oval Head	Not Offset	2—5/8x5 F.H.	3	10	22
					3—5/8x5 O.H.			
	2"	.072	Oval Head	Not Offset	3—5/8x6 O.H.	3	10	43
					2—¾x7 F.H.			
SC1355	2"	.065	Tight		6—5/8x6 O.H.	12	10	28½
SC1354	2"	.065	Oval Head	Not Offset	3—5/8x6 O.H.	12	10	27
					2—¾x6 F.H.			

†Larger sizes see Page 82.

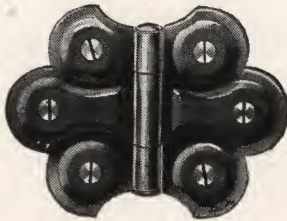
#All sizes SC1357 and SC1358 have 3 knuckles.

For list of finishes see Page 9.

Ornamental Cabinet Hinges for Flush Doors

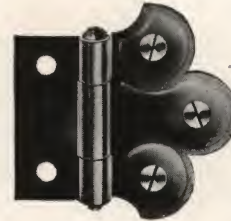
Steel and Wrought Brass

Tight Pin



SC1244 (Wrought Steel)
SC1244-A (Wrought Brass)

Loose Pin



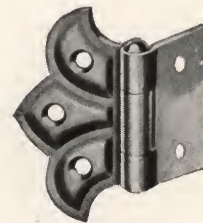
SC140 (Wrought Steel)

Tight Pin



SC1245 (Wrought Steel)
SC1245-A (Wrought Brass)

Loose Pin



SC1246 (Wrought Steel)

Illustrations One-half Actual Size

Packed one dozen pair in a box with screws.

Item Number	Size				Gauge of Metal	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
	Length of Joint	Width Open	Width of Jamb Leaf*	Door Leaf					
SC1244	1½"	2½"			.058	6—5/8x5 O.H.	1	10	21
SC1244-A	1½"	2½"			.058	6—5/8x5 O.H.	1	10	23½
SC140	1½"		9/16"	1¼"	.058	2—5/8x5 F.H. 3—5/8x5 O.H.	1	10	18-
SC1245	1⅜"	2½"			.058	6—5/8x5 O.H.	1	10	21
SC1245-A	1⅜"	2½"			.058	6—5/8x5 O.H.	1	10	23½
SC1246	1⅜"		9/16"	1¼"	.058	2—5/8x5 F.H. 3—5/8x5 O.H.	1	10	19

*Jamb leaf measured from edge of leaf to side of barrel.

For list of finishes see Page 9.

Cabinet Hinges

Steel and Wrought Brass

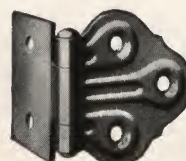
Planished and Plated

Tight Pin



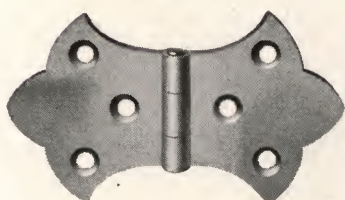
SC1350 (Wrought Steel)
SC1350-A (Wrought Brass)

Loose Pin



SC1356 (Wrought Steel)

Tight Pin



SC1340 (Wrought Steel)
SC1340-A (Wrought Brass)

Tight Pin



SC1345 (Wrought Steel)

Tight Pin 3/8" Offset



SC1349 (Wrought Steel)

Illustrations One-half Actual Size

Packed one dozen pair in a box with screws.

Item Number	Length		Size		Gauge of Metal	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Ctn.	Weight per Carton
	of Joint	Width Open	Width of Jamb Leaf†	Door Leaf					
SC1350	1 3/8"	1 7/8"			.050	6—5/8x5 O.H.	1	10	18 1/2
SC1350-A	1 3/8"	1 7/8"			.050	6—5/8x5 O.H.	1	10	23
SC1356	1 3/8"		9/16"	1 1/4"	.050	2—5/8x5 F.H. 3—5/8x5 O.H.	1	10	17
SC1340 LG	1"	3"			.050	6—5/8x5 F.H.	1	25	39
SC1340-A LG	1"	3"			.050	6—5/8x5 F.H.	1	25	42 1/2
SC1340 SM	1 3/8"	2 1/2"			.042	6—1/2x4 F.H.	1	25	23
SC1345	1"	2 1/8"			.050	5—5/8x5 F.H.	1	25	34
SC1349*	1 3/8"		9/16"	1 3/8"	.050	5—5/8x5 O.H.	1	10	39

Large size only SC1340-A made in Wrought Brass.

†Jamb leaf measured from edge of leaf to side of barrel.

*No. 1349 has 3/8" offset.

For list of finishes see Page 9.

Cabinet Hinges

FOR OVERLAPPING OR DUSTPROOF DOORS

Steel and Wrought Brass

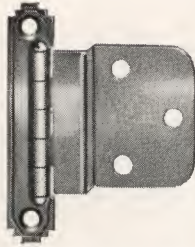


Illustration One-half Size of Hinge with $\frac{3}{8}$ " Offset

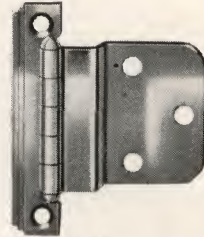


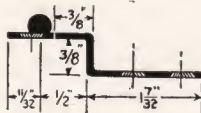
Illustration One-half Size of Hinge with $\frac{3}{8}$ " Offset

SC1231 (Steel)

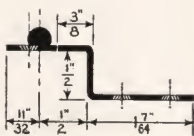
SC1231-A (Wrought Brass)

Made in three offsets: $\frac{3}{8}$ ", $\frac{1}{2}$ " and $\frac{3}{4}$ ". When ordering specify offset desired. $\frac{3}{8}$ " will be furnished when offset is not specified. Packed one dozen pair in a box with screws. Any finish.

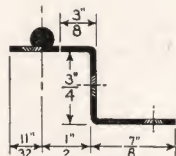
Applications



$\frac{3}{8}$ " Offset

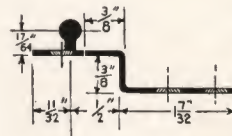


$\frac{1}{2}$ " Offset

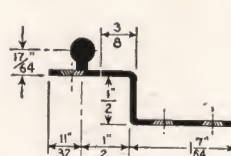


$\frac{3}{4}$ " Offset

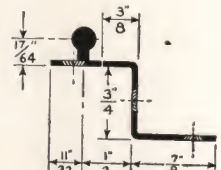
Applications



$\frac{3}{8}$ " Offset



$\frac{1}{2}$ " Offset



$\frac{3}{4}$ " Offset

Item Number	Length of Joint	Size	Gauge of Metal	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
		Offset					
SC1231	1 $\frac{1}{2}$ "	$\frac{3}{8}$ ", $\frac{1}{2}$ " or $\frac{3}{4}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	21 $\frac{1}{2}$
SC1231-A	1 $\frac{1}{2}$ "	$\frac{3}{8}$ ", $\frac{1}{2}$ " or $\frac{3}{4}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	23 $\frac{1}{2}$
SC1236	1 $\frac{1}{2}$ "	$\frac{3}{8}$ ", $\frac{1}{2}$ " or $\frac{3}{4}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	22 $\frac{1}{2}$
SC1236-A	1 $\frac{1}{2}$ "	$\frac{3}{8}$ ", $\frac{1}{2}$ " or $\frac{3}{4}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	24 $\frac{1}{2}$

For list of finishes see Page 9.

Cabinet Hinges

Steel and Wrought Brass

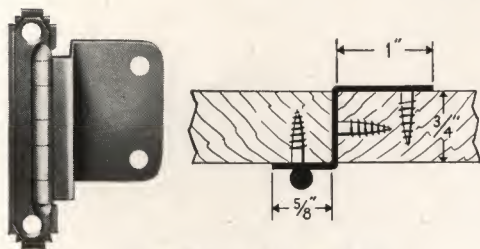


Illustration One-half Size

SC1237 (Steel)

SC1237-A (Wrought Brass)

FOR FLUSH DOORS

One size only, length of joint $1\frac{1}{2}$ ", for doors $\frac{3}{4}$ " thick. Any finish.

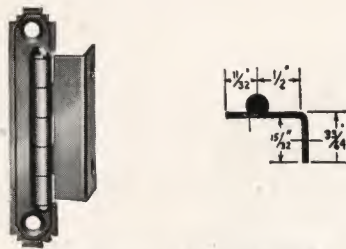


Illustration One-half Size

SC1232 (Steel)

SC1232-A (Wrought Brass)

FOR OVERLAPPING DOORS

One size only, length of joint $1\frac{1}{2}$ ", for doors $\frac{1}{2}$ " or more in thickness. Any finish.

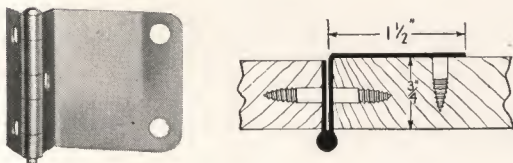


Illustration One-half Size

SC1226 (Steel) Loose Pin

SC1226-A (Wrought Brass) Loose Pin

SC1227 (Steel) Tight Pin

SC1227-A (Wrought Brass) Tight Pin

FOR FLUSH DOORS

Length of joint $1\frac{1}{2}$ ", for $\frac{3}{4}$ " doors. Any finish.

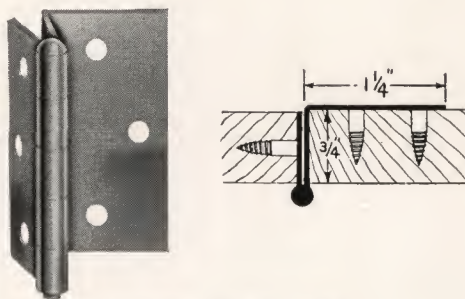


Illustration One-half Size

SC1225 (Steel) Loose Pin

SC1225-A (Wrought Brass) Loose Pin

FOR FLUSH DOORS

Length of joint $2\frac{1}{2}$ ", for doors $\frac{3}{4}$ " in thickness. Recommended for broom closets and large cabinet doors. Any finish.

Packed one dozen pair in box with screws.

Item Number	Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each	Dz. Pr. in box	Dz. Pr. in Carton	Weight per Carton
SC1237	$1\frac{1}{2}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	22 $\frac{1}{2}$
SC1237-A	$1\frac{1}{2}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	24 $\frac{1}{2}$
SC1232	$1\frac{1}{2}$ "	.050	4— $\frac{5}{8}$ x5 O.H.	1	10	15
SC1232-A	$1\frac{1}{2}$ "	.050	4— $\frac{5}{8}$ x5 O.H.	1	10	16 $\frac{1}{2}$
SC1226	$1\frac{1}{2}$ "	.050	5— $\frac{3}{4}$ x6 F.H.	1	10	23
SC1226-A	$1\frac{1}{2}$ "	.050	5— $\frac{3}{4}$ x6 F.H.	1	10	25
SC1227	$1\frac{1}{2}$ "	.050	5— $\frac{3}{4}$ x6 F.H.	1	10	23
SC1227-A	$1\frac{1}{2}$ "	.050	5— $\frac{3}{4}$ x6 F.H.	1	10	25
SC1225	$2\frac{1}{2}$ "	.072	6— $\frac{3}{4}$ x8 F.H.	1	5	27 $\frac{1}{2}$
SC1225-A	$2\frac{1}{2}$ "	.072	6— $\frac{3}{4}$ x8 F.H.	1	5	29 $\frac{1}{2}$

For list of finishes see Page 9.

Cabinet Hinges

Steel and Wrought Brass

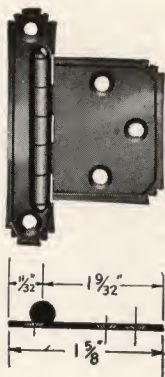


Illustration One-half Size
SC1233 (Wrought Steel)
SC1233-A (Wrought Brass)

FOR FLUSH DOORS

One size only. Length of joint $1\frac{1}{2}$ ". Tight pin. Any finish.

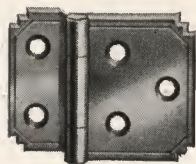


Illustration One-half Size
SC1234 (Wrought Steel)
SC1234-A (Wrought Brass)

FOR OVERLAPPING DOORS

One size only. Length of joint $1\frac{1}{2}$ ". Offset $\frac{3}{8}$ ". Tight pin. Any finish.

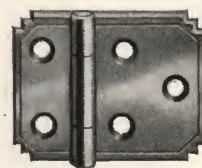


Illustration One-half Size
SC1235 (Wrought Steel)
SC1235-A (Wrought Brass)

FOR FLUSH DOORS

One size only. Length of joint $1\frac{1}{2}$ ". Tight pin. Any finish.

Packed one dozen pair in a box with screws.

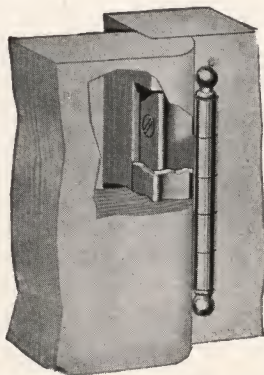


Illustration One-half Size
of Left Hand Hinge

Number SC1228-A

Wrought Brass

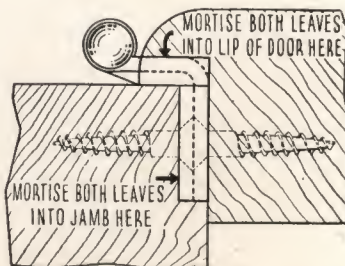
Offset Cabinet Butt

FOR OVERLAPPING OR DUSTPROOF DOORS

One size only; length of joint $2\frac{1}{2}$ " with five knuckles. A full mortise butt which is semi-concealed, only barrel of hinge will show when installed on overlapping doors.

Reversible for right or left hand doors by unscrewing slotted nib and replacing in opposite end.

Any finish. Packed one-half dozen pair in a box with screws.



The above illustration shows how SC1228-A offset cabinet butt should be applied.

Illustration is of right hand door when looking down from top.

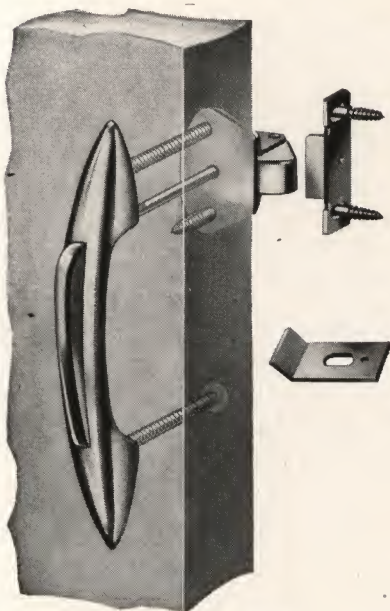
Item Number	Size, Length of Joint	Gauge of Metal	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
SC1233	$1\frac{1}{2}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	17
SC1233-A	$1\frac{1}{2}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	19
SC1234	$1\frac{1}{2}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	21
SC1234-A	$1\frac{1}{2}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	23
SC1235	$1\frac{1}{2}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	19
SC1235-A	$1\frac{1}{2}$ "	.050	5— $\frac{5}{8}$ x5 O.H.	1	10	21
SC1228-A	$2\frac{1}{2}$ "	.050	6— $\frac{3}{4}$ x6 F.H.	$\frac{1}{2}$	10	41

For list of finishes see Page 9.

Streamlined Handle Cabinet Catch

Number SC1368 (Wrought Steel)

Number SC1368-A (Wrought Brass)

Cut $\frac{1}{2}$ Actual Size

For Flush or Overlapping Doors

(SC1368-Chr. U. S. Govt. Type F1076)

(SC1368-A-Chr. U. S. Govt. Type 1076)

A streamlined handle cabinet catch of the push button type, positive locking, reversible for right or left hand doors; made of wrought steel or brass metal.

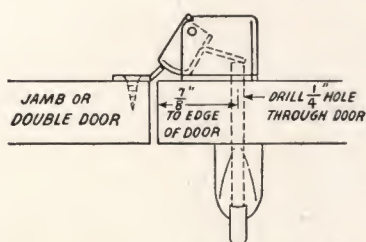
Two strikes are included for various applications as shown below.

Packed one dozen in a box with screws.

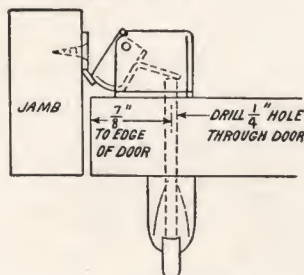
Overall Length of Handle	Thickness of Door	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
4½"	⅝" to 1⅛"	3— ⅝x5 O.H. 2— 1¼x8 Washer Head M.S.	1	10	30

For list of finishes see Page 9.

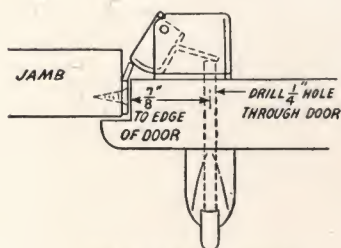
APPLICATIONS



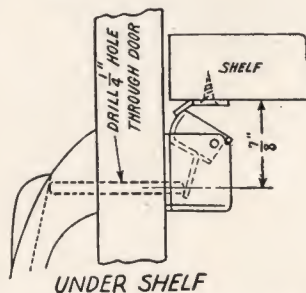
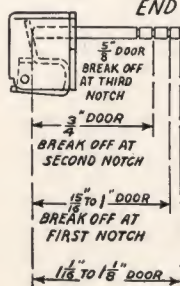
FLUSH DOOR



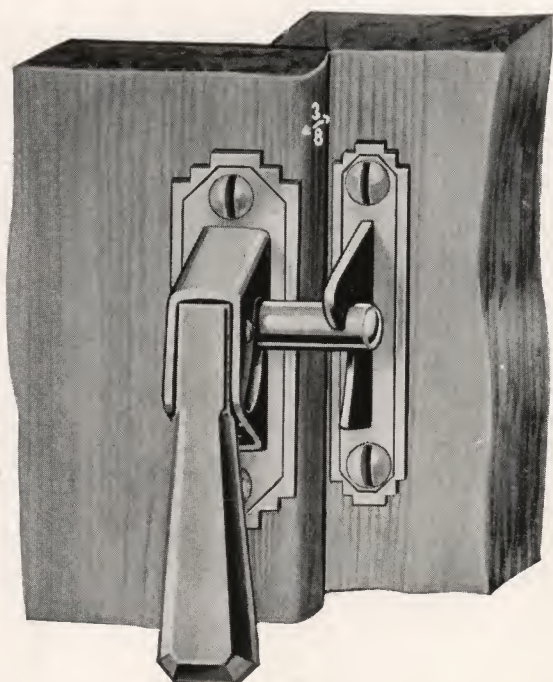
END JAMB



OVERLAPPING DOOR



UNDER SHELF



Cut Actual Size

Reversible Cabinet Catch

Number SC1367
(Steel)

(SC1367-Chr. U. S. Govt. Type F1078-A)

Number SC1367-A
(Wrought Brass)

(SC1367-A-Chr. U. S. Govt. Type 1078-A)

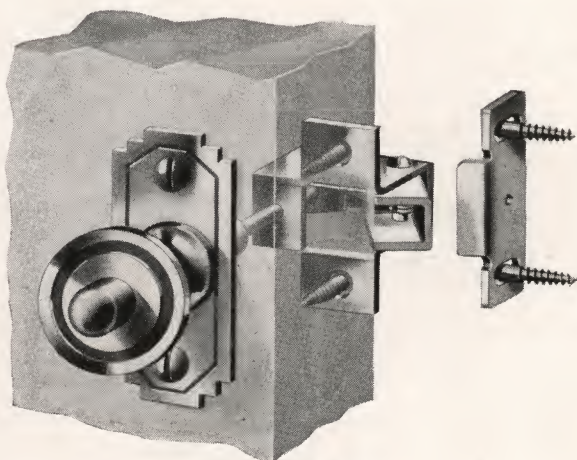
(Licensed under Patent No. 1,862,715)

For Either Flush or Offset Doors

A strong, easily operated, spring cabinet catch. It is *reversible* and may be changed from a *right hand catch* to a *left hand* in the space of a few seconds. You need not be bothered by finding too many of one kind on hand or not enough of another. This catch is packed six in a box and *six flush strikes* as well as *six offset strikes* are included.

Item Number	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
SC1367	4— $\frac{5}{8}$ x5 O.H.	$\frac{1}{2}$	10	21
SC1367-A	4— $\frac{5}{8}$ x5 O.H.	$\frac{1}{2}$	10	23

For list of finishes see Page 9.

Cut $\frac{3}{4}$ Actual Size

Knob Cabinet Catch Number SC1364-A

Wrought Brass Only

An easy-to-apply push button type, positive-locking catch made entirely of Wrought Brass. Will stand vibration if used in a boat or trailer without unlatching.

Packed one dozen in a box with screws.

Knob Diameter	Thickness of Door	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
1"	$\frac{3}{4}$ " to $1\frac{1}{8}$ "	4— $\frac{5}{8}$ x5 O.H. 2— $\frac{1}{2}$ x4 F.H.	1	10	23 $\frac{1}{2}$

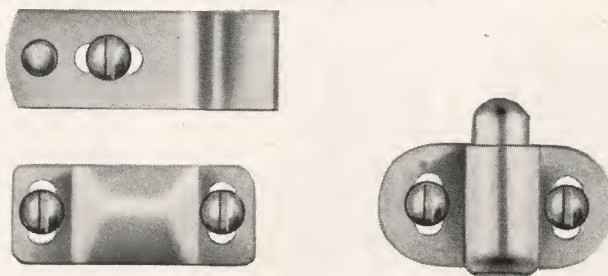
For list of finishes see Page 9.

Cabinet Spring Catch Number SC1361-N

(SC1361-N U. S. Govt. Type F1074-D)

For Flush or Overlapping Doors

Illustration
Actual
Size



Nickel Finish Only

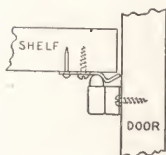
The screw holes are slotted to allow adjustment after catch is attached.

Packed one dozen in a box with two strikes for each catch, screws and nails.

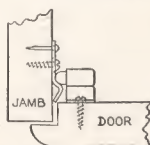
Size of Base	Height	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
1 1/4" x 5/8"	3/4"	4—1/2 x 4 R.H.	1	25	20

APPLICATIONS

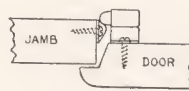
Illustrations One-half Actual Size



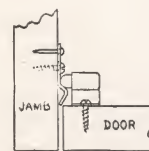
Under Shelf



End Jamb
Overlapping Door



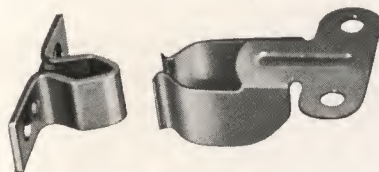
Overlapping Door



End Jamb
Flush Door

Friction Catch Number SC1362-DB

(SC1362 U. S. Govt. Type F1072)



Cut Actual Size

Furnished in Dull Brass finish only.

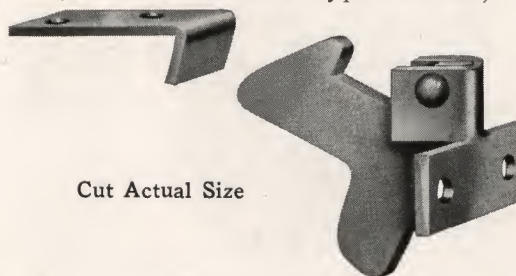
Lugs on strike will make impression on door, marking strike position.

Packed three dozen in a box with screws.

Quantity and Size of Screws, Each	Dz. in Box	Gr. in Carton	Weight per Carton
4—5/8 x 5 R.H.	3	2	11

Elbow Catch Number SC1360-DB

(SC1360 U. S. Govt. Type F1075-A)



Cut Actual Size

An all steel elbow catch with a coil spring to operate lever latch. Furnished in Dull Brass finish only.

Packed one dozen in a box with screws.

Quantity and Size of Screws, Each	Dz. in Box	Gr. in Carton	Weight per Carton
4—1/2 x 4 R.H.	1	2	16

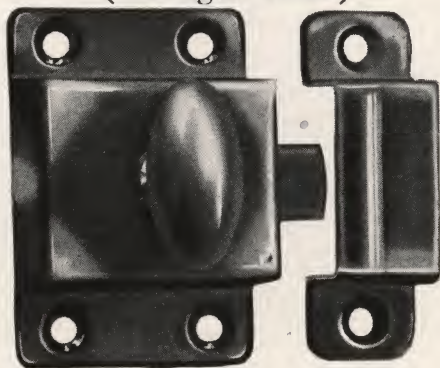
Cupboard Turns

Number SC134

(Steel)

Number SC134-A

(Wrought Brass)



SC134

Cut Actual Size

(SC134-A U. S. Govt. Type 1085)

(SC134 U. S. Govt. Type F1085)

Made of cold rolled steel, with wrought brass knobs or of wrought brass metal throughout.

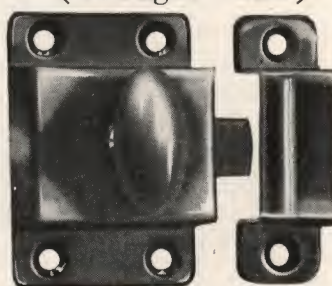
Specify **SC134** for steel and **SC134-A** for wrought brass.

Number SC136

(Steel)

Number SC136-A

(Wrought Brass)



SC136

Cut Actual Size

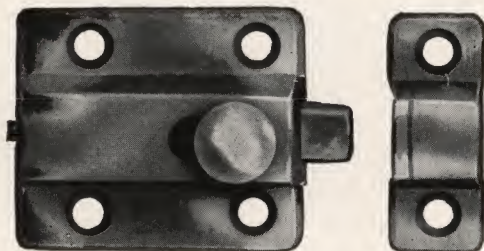
Made of cold rolled steel, with wrought brass knobs or of wrought brass metal throughout.

Specify **SC136** for steel and **SC136-A** for wrought brass.

Item Number	Quantity and Size of Screws, Each	Doz. in Box	Gross in Carton	Weight per Carton
SC134	6— $\frac{5}{8}$ x5 F.H.	1	1	27
SC134-A	6— $\frac{5}{8}$ x5 F.H.	1	1	30
SC136	6— $\frac{1}{2}$ x4 F.H.	1	1	14½
SC136-A	6— $\frac{1}{2}$ x4 F.H.	1	1	16

Cupboard Catch

Number SC133

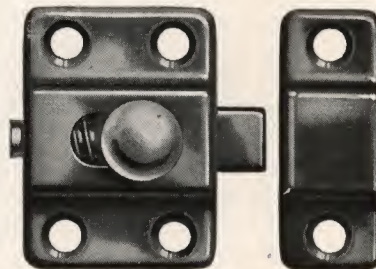


Cut Actual Size

Made of cold rolled steel in all finishes. Packed one dozen in a box with screws.

French Window Catch

Number SC1333



Cut Actual Size

Made of cold rolled steel in all finishes. Packed one dozen in a box with screws.

Item Number	Quantity and Size of Screws, Each	Doz. in Box	Gross in Carton	Weight per Carton
SC133	6— $\frac{1}{2}$ x4 F.H.	1	1	13
SC1333	6— $\frac{1}{2}$ x4 F.H.	1	1	10

For list of finishes see Page 9.

Drawer Knobs

Number SC619-A

(Wrought Brass)



Cut Actual Size of $1\frac{1}{8}$ "
($1\frac{1}{8}$ " SC619-A U. S. Govt. Type 1282)

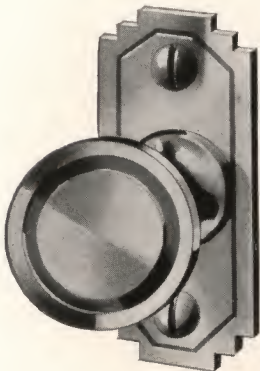
Two Sizes $\frac{7}{8}$ " $1\frac{1}{8}$ "

For doors up to $1\frac{1}{8}$ inches in thickness.

Any finish and packed one dozen in a box with $1\frac{1}{4}$ x8-32 washer head machine screws.

Size	Dz. in Box	Dz. in Carton	Weight per Carton
$\frac{7}{8}$ "	1	10	$7\frac{1}{2}$
$1\frac{1}{8}$ "	1	10	12

For list of finishes see Page 9.



Cut Actual Size

This Knob is the same design and diameter as our SC1364-A cabinet catch to permit the use of the two as a unit set.

The Knob is securely fastened to the base and easily attached to door with two screws. Any finish and packed one dozen in a box with screws.

Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
2— $\frac{5}{8}$ x5 O.H.	1	10	$14\frac{1}{2}$

For list of finishes see Page 9.

Drawer Pulls

Number SC3044 (Wrought Steel)

Number SC3044-A (Wrought Brass)

STREAMLINED



Cut Actual Size

(SC3044-A U. S. Govt. Type 1307)

(SC3044-Chr. U. S. Govt. Type F1307)

For doors up to 1½ inches in thickness.

Packed one dozen in a box with washer-head machine screws.

Length Overall	Height Overall	Size of Washer Head Machine Screws	Dz. in Box	Dz. in Carton	Weight per Carton
4 ⁹ / ₁₆ "	1"	1¼x8-32	1	25	25

For list of finishes see Page 9.

Number SC3046 (Wrought Steel)

Number SC3046-A (Wrought Brass)



Cut Actual Size

Packed one dozen in a box with screws.

Length Overall	Height Overall	Size of Screws	Dz. in Box	Dz. in Carton	Weight per Carton
4"	1 ¹ / ₁₆ "	5/8x6 R.H.	1	25	16½

For list of finishes see Page 9.

Drawer Pulls

Number SC3047 (Steel)

Number SC3047-A (Wrought Brass)

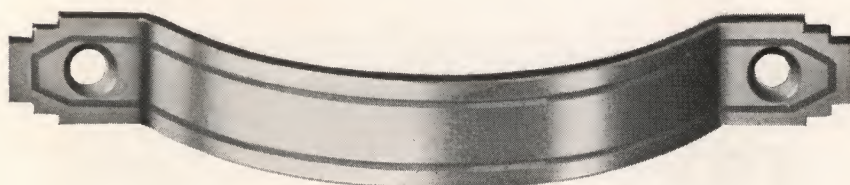


Packed one dozen in a box with screws.

Length Overall	Height Overall	Size of Screws	Dz. in Box	Dz. in Carton	Weight per Carton
5"	1"	$\frac{5}{8}$ x5 O.H.	1	25	23

For list of finishes see Page 9.

Number SC3048-A (Wrought Brass)



Wrought Brass Only

(SC3048-A U. S. Govt. Type 1308)

Packed one dozen in a box with screws.

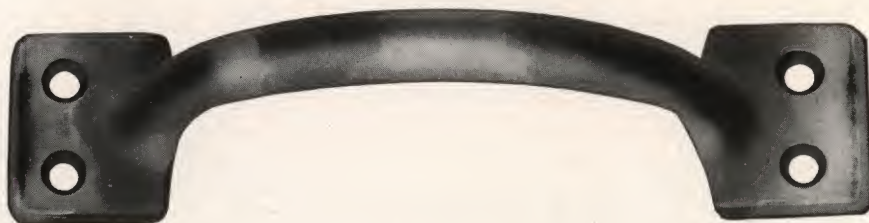
Length Overall	Height Overall	Size of Screws	Dz. in Box	Dz. in Carton	Weight per Carton
$4\frac{5}{16}$ "	$\frac{7}{8}$ "	$\frac{5}{8}$ x6 O.H.	1	25	23

For list of finishes see Page 9.

Sash Lift

Number SC304 (Steel)

Number SC304-A (Wrought Brass)



Cut Actual Size 4"

(4" SC304 U. S. Govt. Type F1204-A)

4" and 5" Sizes

Made of either cold rolled steel or wrought brass metal and finely finished. Packed one dozen in a box with screws. Please specify size desired.

Size	Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Gr. in Carton	Weight per Carton
4"	4 $\frac{5}{8}$ "	1 $\frac{1}{4}$ "	4— $\frac{3}{4}$ x6 F.H.	1	2	30
5"	5 $\frac{9}{16}$ "	1 $\frac{3}{8}$ "	4— $\frac{3}{4}$ x7 F.H.	1	1	21 $\frac{1}{2}$

For list of finishes see Page 9.

Cast Sash Lift

Number SC504



Cut Actual Size

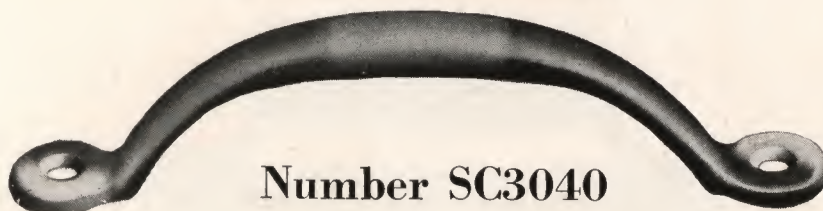
(SC504 U. S. Govt. Type F1204)

Made in one size only; 4 inches overall. Packed one dozen in a box with screws.

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Gr. in Carton	Weight per Carton
4"	1"	4— $\frac{3}{4}$ x6 F.H.	1	2	45

For list of finishes see Page 9.

Screen Door Handle



Number SC3040

Pressed Steel All Finishes

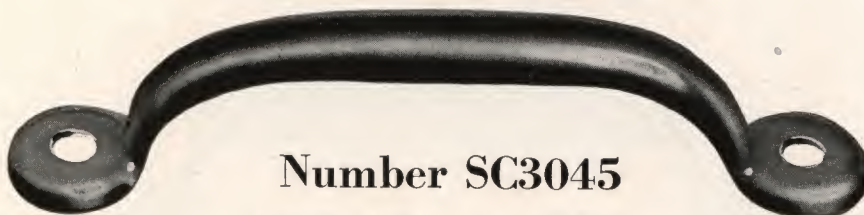
(SC3040 U. S. Govt. Type F1269)

Large and roomy, $3\frac{1}{2}$ " inside, graceful in design and moderate in price. Packed one dozen in box with screws.

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
5"	$1\frac{3}{8}$ "	2— $\frac{3}{4}$ x6 F.H.	1	25	19

For list of finishes see Page 9.

Screen Door Handle



Number SC3045

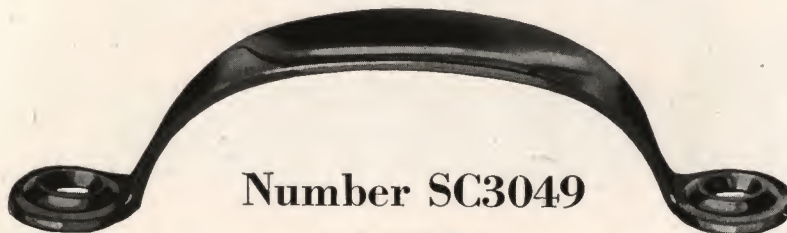
Pressed Steel All Finishes

Packed one dozen in a box with screws.

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
$4\frac{7}{8}$ "	1"	2— $\frac{3}{4}$ x8 R.H.	1	25	$17\frac{1}{2}$

For list of finishes see Page 9.

Screen Door Handle



Number SC3049

Cut Actual Size

Pressed Steel All Finishes

(SC3049-J U. S. Govt. Type F1223)

(SC3049-CD U. S. Govt. Type F1223-C)

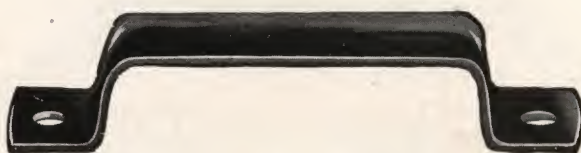
Made in one size. Packed one dozen in a box with screws. Furnished in Japan when not specified.

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
4"	$1\frac{5}{8}$ "	2— $\frac{3}{4}$ x6 F.H.	1	25	14

For list of finishes see Page 9.

Pressed Steel Door Handles

Number SC2040

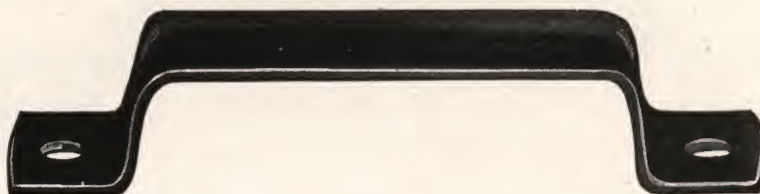


Japan and any plated finish. Japan will be furnished when finish is not specified. Packed one dozen in a box with screws.

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
2¾"	¾"	2—5⁄8x6 R.H.	1	25	13
3½"	1⅝"	2—¾x6 R.H.	1	25	16
4½"	For a 4½" handle in the same pattern as the Number 2040 specify Number 206 listed below.				

For list of finishes see Page 9.

Number 206

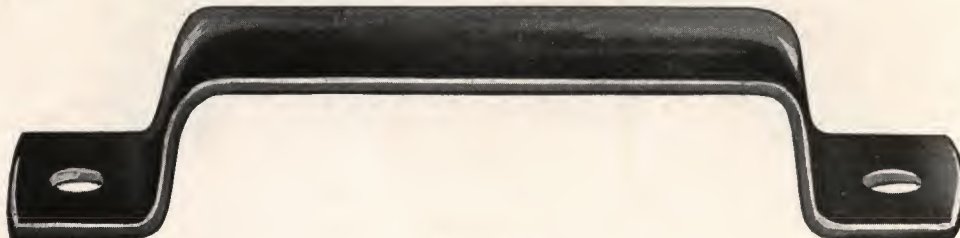


Japanned

Regularly packed one dozen in a box without screws. Will be packed with screws on request. **Specify SC206.**

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
4½"	1"	2—¾x6 R.H.	1	10	11½

Number 207



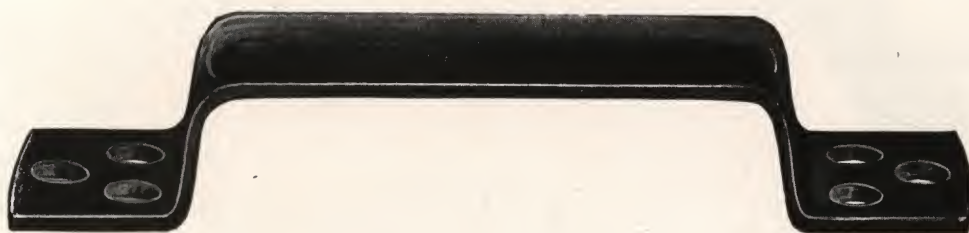
Japanned

Regularly packed one dozen in a box without screws. Will be packed with screws on request. **Specify SC207.**

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
6½"	1¼"	2—1x10 R.H.	1	10	28

Handles

Number 208



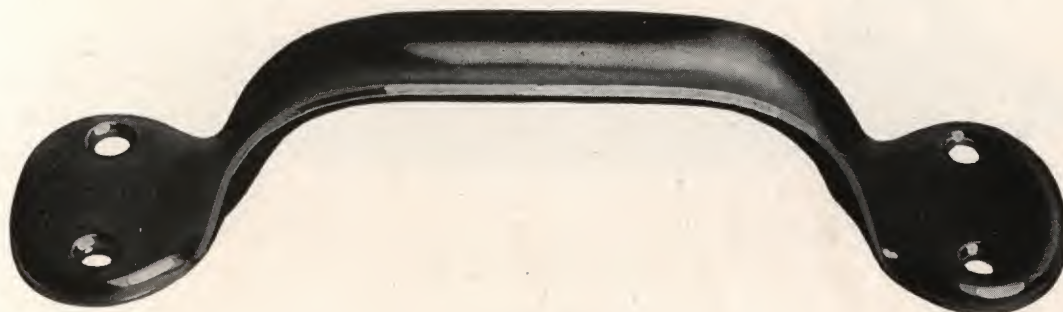
Japanned

Eight-inch handle.

Packed one dozen in a box without screws. Will be packed with screws. Specify SC208.

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
8"	1½"	6—7/8x9 F.H.	1	5	21

Number SC210



Japanned

Nine-inch handle.

Packed one-half dozen in box with screws.

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
9"	1¾"	4—1¼x10 F.H.	½	5	45

Handles



Cut Approximately 8/9 Actual Size

Number SC209 (Steel)

Number SC209-A (Wrought Brass)

(SC209-A U. S. Govt. Type 1275)

(SC209-J U. S. Govt. Type F1275)

(SC209-CD U. S. Govt. Type F1275-C)

Made of either cold rolled steel or wrought brass metal. Large and comfortable. Furnished in Japan or any plated finish.

Packed one dozen in a box with screws.

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
7"	1 $\frac{11}{16}$ "	4— $\frac{7}{8}$ x9 F.H.	1	10	28

For list of finishes see Page 9.



Number 211

Cut Approximately $\frac{1}{2}$ Actual Size

(SC211-J U. S. Govt. Type F1276)

(SC211-CD U. S. Govt. Type F1276-C)

Inside length 6", length between screw holes 8". Furnished in Zinc Plated and Japanned finish. Japan will be furnished when finish is not specified.

Packed one-half dozen in a box without screws. Will be packed with screws; specify SC211.

Length Overall	Height Overall	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
11 $\frac{1}{2}$ "	2 $\frac{5}{8}$ "	6—1 $\frac{1}{2}$ x12 F.H.	$\frac{1}{2}$	2	22

Chest Handles

Number SC116



Illustration of 3½ and 4 inch
Actual Size of 3½ inch



Illustration ⅓ Size of 2½ inch



Illustration ⅓ Size of 4¾ inch

An extra strong handle made in four sizes: 2½, 3½, 4 and 4¾ inches. The size designates over all width of bail. Furnished in Japan, Zinc Plated, Hot Galvanized and plated finishes. Japan will be furnished when finish is not specified.

Packed one-half dozen pair in a box with screws.

Size	Size of Plate	Gauge of Metal	Gauge of Wire	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
2½"	2½"x2¾"	.058	.250	3—¾x8	½	6	29
3½"	3¾"x3¾"	.065	.306	4—⅞x10	½	6	63
4"	4¼"x3⅝"	.072	.342	4—⅞x10	½	6	83
4¾"	4⅞"x4¾"	.095	.420	5—1x12	½	1	25½

Flush Chest Handle Number SC216



Japanned

Made in one size only.

Packed one-half dozen pair in a box with screws.

Size of Plate	Gauge of Metal	Size of Handle Overall	Gauge of Wire	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
5¼"x4¼"	.065	3¼"x2½"	.375	6—1x9 F.H.	½	2	36

Flush Trap Door Ring Number SC217

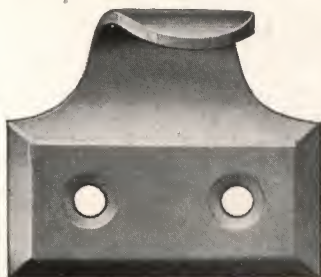


Japanned

Made in one size only.

Packed one-half dozen in a box with screws.

Size of Plate	Gauge of Metal	Diameter of Ring, Outside	Gauge of Wire	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
3¾"x4¼"	.083	2⅝"	.420	4—1x10 F.H.	½	2	19



Beveled Sash Lifts

Number SC400 (Wrought Steel)

Number SC400-A (Wrought Brass)

Packed three dozen in a box with screws.

Size of Plate	Actual Size Gauge of Metal	Quantity and Size of Screws, Each	Dz. in Box	Gr. in Carton	Weight per Carton
$1\frac{1}{8}$ " x $1\frac{5}{8}$ "	.065	2— $\frac{3}{4}$ x6 F.H.	3	5	36 $\frac{1}{2}$

For list of finishes see Page 9.

Flush Sash Lifts and Door Pulls

Number SC402

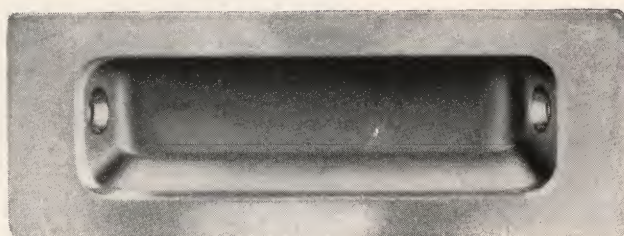
(Wrought Steel)

Number SC402-A

(Wrought Brass)

(SC402 U. S. Govt. Type F1213)

(SC402-A U. S. Govt. Type 1213)

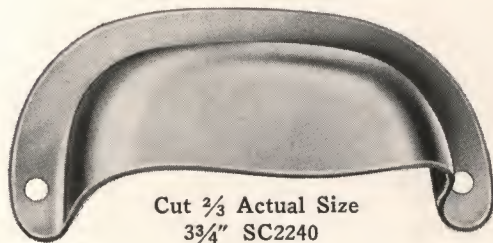


Cut Approximately Actual Size

An excellent flush sash lift especially suited to use on windows with venetian blinds. Also suitable for use as a flush sliding door pull, mounted vertically.

Size	Depth of Mortise	Quantity and Size of Screws, Each	Dz. in Box	Gr. in Carton	Weight per Carton
$3\frac{5}{16}$ " x $1\frac{3}{8}$ "	$\frac{3}{8}$ "	2— $\frac{3}{4}$ x6 F.H.	1	2	22

For list of finishes see Page 9.



Cut $\frac{2}{3}$ Actual Size
3 $\frac{3}{4}$ " SC2240

Drawer Pulls

Number SC2240

(Wrought Steel)

Number SC2240-A

(Wrought Brass)

(3 $\frac{1}{4}$ " SC2240-Chr. U. S. Govt. Type F1310)
(3 $\frac{1}{4}$ " SC2240-A U. S. Govt. Type 1310)

Two sizes, 3 $\frac{1}{4}$ -inch and 3 $\frac{3}{4}$ -inch.

Made of either pressed steel or brass metal. If brass metal is wanted specify SC2240-A and finish. Packed one dozen in a box with screws.

Size Overall		Quantity and Size of Screws, Each	Dz. in Box	Gr. in Carton	Weight per Carton
Length	Width				
3 $\frac{1}{4}$ "	1 $\frac{3}{8}$ "	2— $\frac{5}{8}$ x6 R.H.	1	5	43
3 $\frac{3}{4}$ "	1 $\frac{1}{2}$ "	2— $\frac{5}{8}$ x6 R.H.	1	2	22

For list of finishes see Page 9.

Adjustable Screen Door Hinge

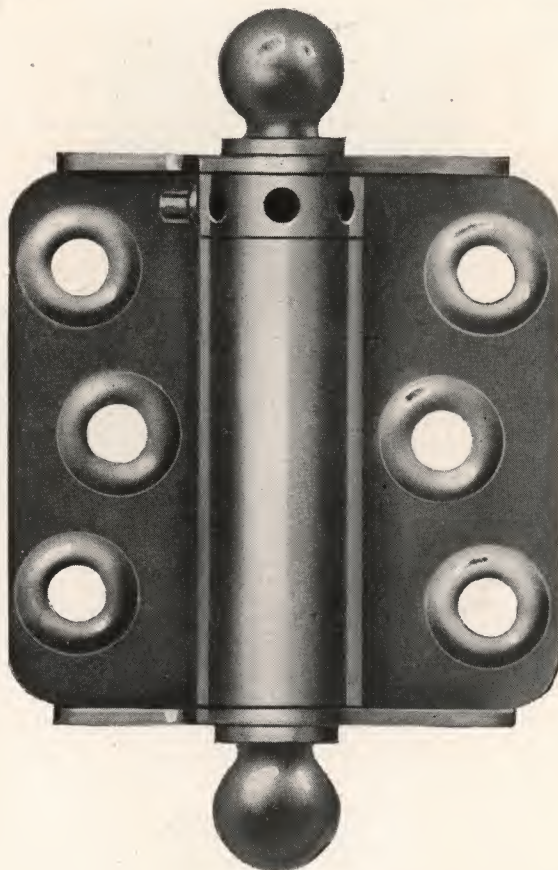
Steel and Wrought Brass

Number SC188

(Steel)

Number SC188-A

(Wrought Brass)



Cut Actual Size

(SC188 U. S. Govt. Type No. 2301)

(SC188-A U. S. Govt. Type No. 2301-A)

This hinge is a full size 3" extra heavy hinge and represents a deluxe addition to our line of spring hinges. It has machined type nib and solid brass adjusting bushings. Ball tip pin and nib are non-removable. Tension of spring is easily adjusted and the construction throughout is such as to obviate every possible bit of friction so

that the hinge is unusually smooth and frictionless in operation.

Furnished in Japan or any plated finish.

Japan will be furnished on the SC188 (Steel) when finish is not specified and Bright Brass will be furnished on the SC188-A (Wrought Brass).

Packed one pair in a box with screws.

Size, Length of Joint	Width Open	Gauge of Metal	Quantity and Size of Screws, Each	Pair in Box	Dz. Pr. in Carton	Weight per Carton
3"	3 $\frac{3}{8}$ "	.083	6— $\frac{7}{8}$ x8 F.H.	1	2	33

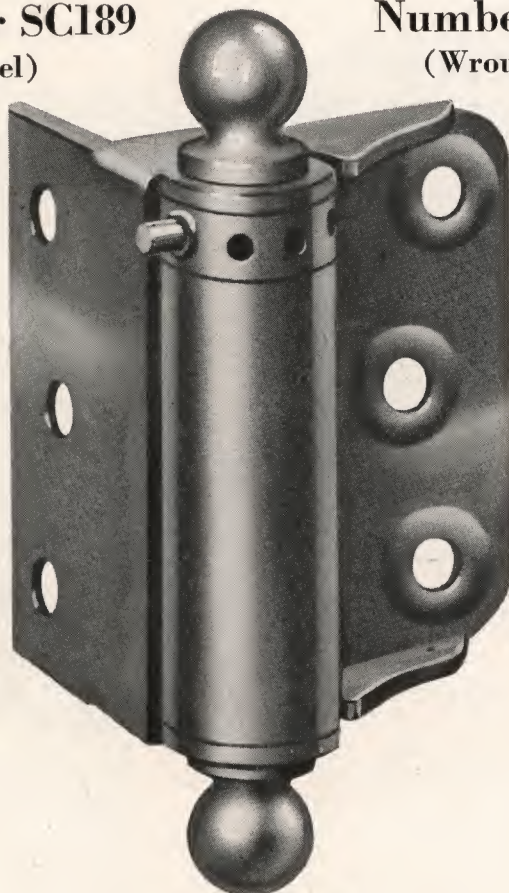
For list of finishes see Page 9.

Half Surface Adjustable Spring Hinge

Steel and Wrought Brass

Number SC189
(Steel)

Number SC189-A
(Wrought Brass)



Cut Actual Size

(SC189 U. S. Govt. Type 2302)

(SC189-A U. S. Govt. Type 2302-A)

This hinge is a full size 3" extra heavy hinge and represents a deluxe addition to our line of spring hinges. It has machined type nib and solid brass adjusting bushings. Ball tip pin and nib are non-removable. Tension of spring is easily adjusted and the construction throughout is such as to obviate every possible bit of friction so that

the hinge is unusually smooth and frictionless in operation.

Furnished in Japan or any plated finish. Japan will be furnished on the SC189 (Steel) when finish is not specified, and Bright Brass will be furnished on the SC189-A (Wrought Brass) when finish is not specified.

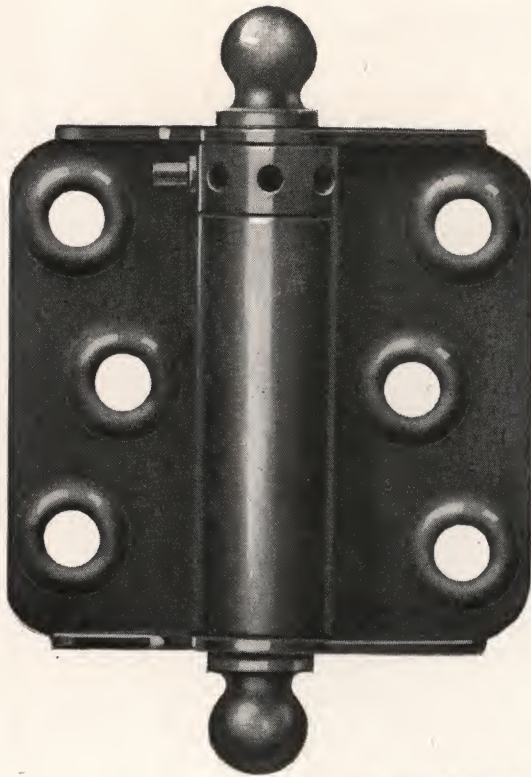
Packed one pair in a box with screws.

Size, Length of Joint	Width of Leaf		Gauge of Metal	Quantity and Size of Screws, Each	Pair in Box	Dz. Pr. in Carton	Weight per Carton
3"	Jamb	Door					
	1¾"	1½"	.083	6—7/8"x8 F.H.	1	2	34

For list of finishes see Page 9.

Adjustable Spring Hinge

Number SC183



Cut Actual Size

A spring hinge on which the spring tension may be adjusted for any weight door or special condition. Pin and nib are non-removable. Furnished regularly in Japan or any plated finish. Japan will be furnished when finish is not specified.

Packed one pair in a box with screws.

Length of Joint	Size		Gauge of Metal
	Width Open		
2 $\frac{7}{8}$ "	2 $\frac{7}{8}$ "		.068
Quantity and Size of Screws, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
6— $\frac{7}{8}$ x8 F.H.	1	6	70

For list of finishes see Page 9.

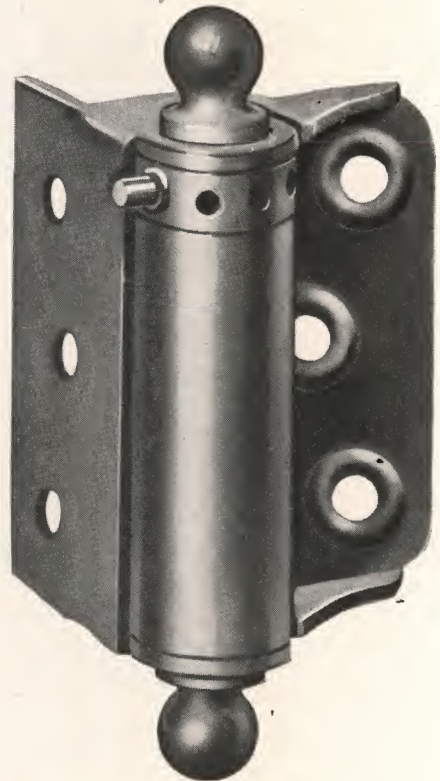
Half Surface Adjustable Spring Hinge Number SC185

A spring hinge on which the spring tension may be adjusted for any weight door or special condition. Pin and nib are non-removable. Furnished regularly in Japan or any plated finish. Japan will be furnished when finish is not specified.

Packed one pair in box with screws.

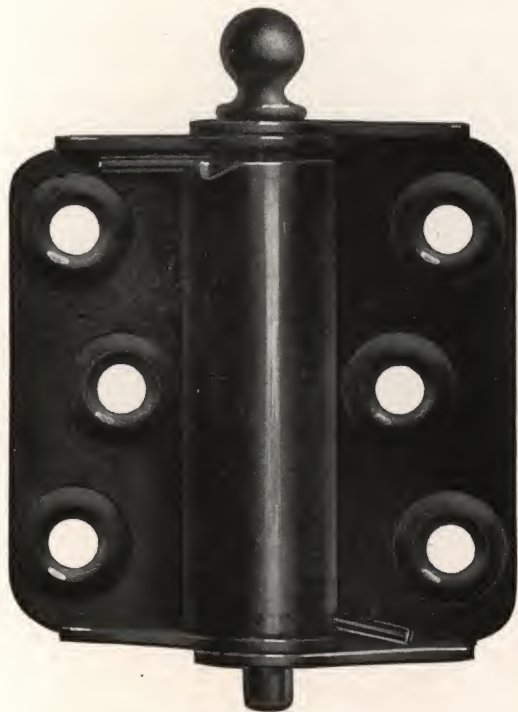
Length of Joint	Size		Gauge of Metal
	Width of Leaf Jamb	Door	
2 $\frac{7}{8}$ "	1 $\frac{1}{2}$ "	1 $\frac{7}{16}$ "	.068
Quantity and Size of Screws, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
6— $\frac{7}{8}$ x8 F.H.	1	6	72

For list of finishes see Page 9.



Cut Actual Size

Detachable Spring Hinge Number SC173



Cut Actual Size

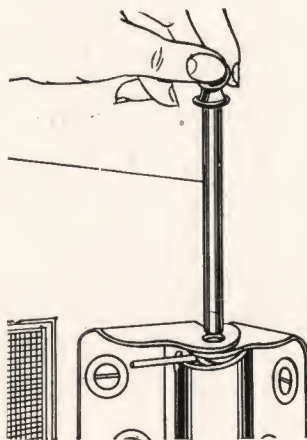
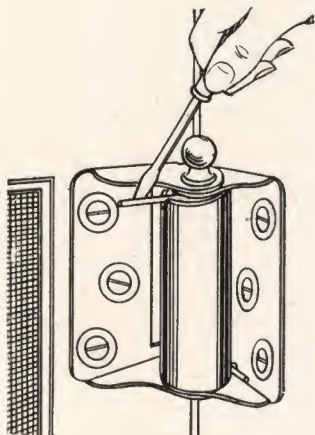
This hinge has a detachable feature, eliminating the necessity of removing screws from door or building and is detached by opening the door, pushing the end of the spring into the slot in the barrel of the hinge and removing pin. The spring is held in place in the hinge by the tension of the spring against the slot.

Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified.

Regularly packed one-half dozen pair in a box with screws. Japan will be packed without screws when requested; specify No. 173.

Size		Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
Length of Joint	Width Open					
2 $\frac{7}{8}$ "	2 $\frac{7}{8}$ "	.068	6— $\frac{7}{8}$ x8 F.H.	6	6	54 $\frac{3}{4}$

For list of finishes see Page 9.



Open door to position which places end of spring over notch. Push spring end into notch. Release door, pull pin, remove door and replace pin.

Screen Door Spring Hinge Number SC171

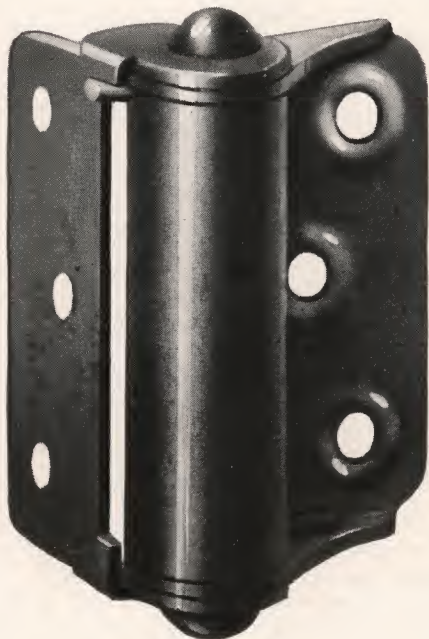
A strong and durable full surface spring hinge of the best type. Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Regularly packed one-half dozen pair in a box with screws. Japan will be packed without screws when requested; specify No. 171.



Cut Actual Size

Size, Length of Joint	Width Open	Gauge of Metal	Quantity and Size of Screws, Each	Pairs in Box	Dz. Pr. in Carton	Weight per Carton
2 $\frac{7}{8}$ "	2 $\frac{7}{8}$ "	.068	6— $\frac{7}{8}$ x8 F.H.	6	6	49

For list of finishes see Page 9.



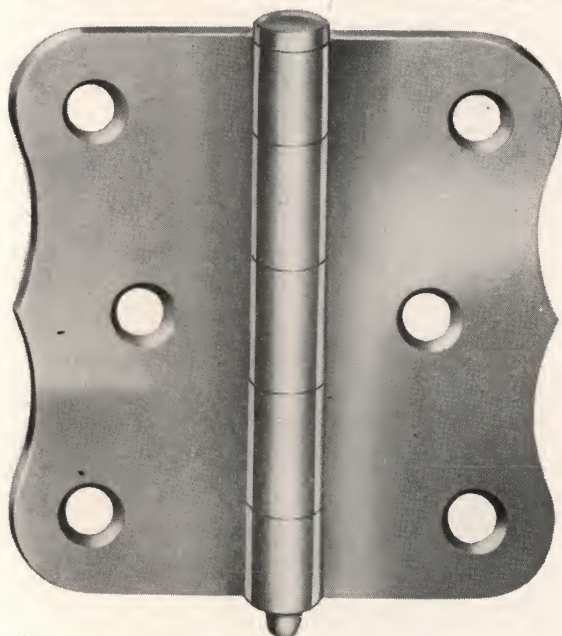
Half Surface Spring Hinge Number SC181

A strong and durable half surface spring hinge for use in many places where it is not desirable or possible to use a full surface hinge. Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Packed one pair in a box with screws.

Cut Actual Size

Size, Length of Joint	Width of Leaf		Gauge of Metal	Quantity and Size of Screws, Each	Pairs in Box	Dz. Pr. in Carton	Weight per Carton
2 $\frac{7}{8}$ "	Jamb	Door					
2 $\frac{7}{8}$ "	1 $\frac{1}{2}$ "	1 $\frac{7}{16}$ "	.068	6— $\frac{7}{8}$ x8 F.H.	1	6	55

For list of finishes see Page 9.



Surface Hinge

Number SC194

Full Size 3" Hinge

A fine appearing substantial screen door hinge.

Furnished in Japan and all plated finishes.

Japan will be furnished when finish is not specified.

Packed six pair in a box with screws.

Size, Length of Joint	Cut Actual Size		Gauge of Metal	Quantity and Size of Screws, Each	Pairs in Box	Dz. Pr. in Carton	Weight per Carton
	Width Open						
3"	3"		.072	6— $\frac{7}{8}$ x9 F.H.	6	6	38

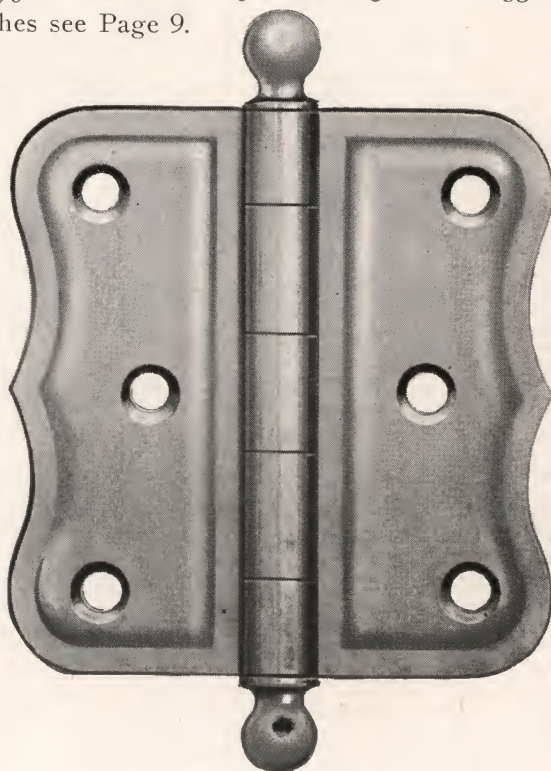
For list of finishes see Page 9.

Embossed Surface Hinge Number SC193

Just the hinge for all the jobs for which ornamental hinges are too small. Just right for screen and storm doors, closet doors, casement windows. **Full three inches** and very strong. The embossing gives it a substantial appearance and adds to its strength.

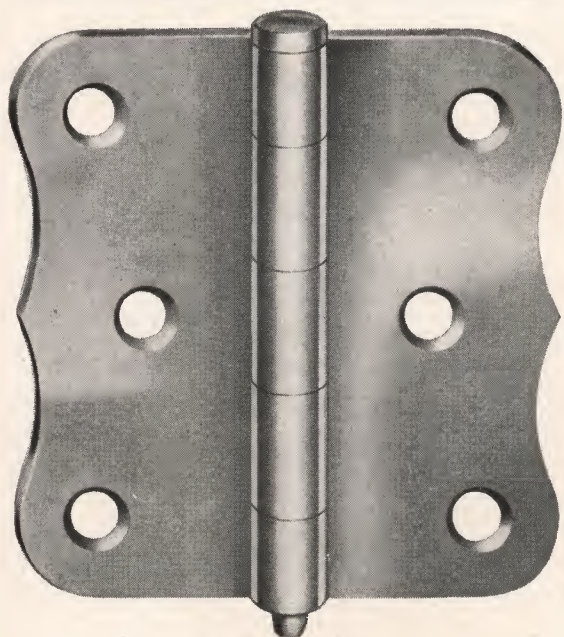
Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified.

Packed one pair in a box with screws.



Size, Length of Joint	Width Open	Gauge of Metal	Quantity and Size of Screws, Each	Cut Actual Size		Dz. Pr. in Carton	Weight per Carton
				Pairs in Box			
3"	3"	.072	6— $\frac{7}{8}$ x9 F.H.	1		6	42 $\frac{3}{4}$

For list of finishes see Page 9.



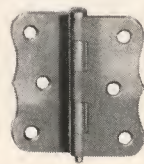
Cut Actual Size
Full Surface Illustration

Surface Hinge Number SC195

Full Size 3" Hinge

This is the same style hinge as SC194; made of extra heavy steel with one leaf countersunk both sides for different surface application as illustrated. Also may be used as half surface hinge. Furnished in Japan and all plated finishes. **This quality hinge is available in Hot Dipped Galvanized Finish with brass pin for use in coastal areas or where a lasting finish is desired.** Japan will be furnished when finish is not specified.

Packed six pair in a box with screws.



Cut 1/4 Actual Size
Offset Illustration

APPLICATION OF SC195 SURFACE HINGE



Size, Length of Joint	Width Open	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
3"	3"	.093	6—1x9 F.H.	6	6	48

For list of finishes see Page 9.

Screen Door Hinge

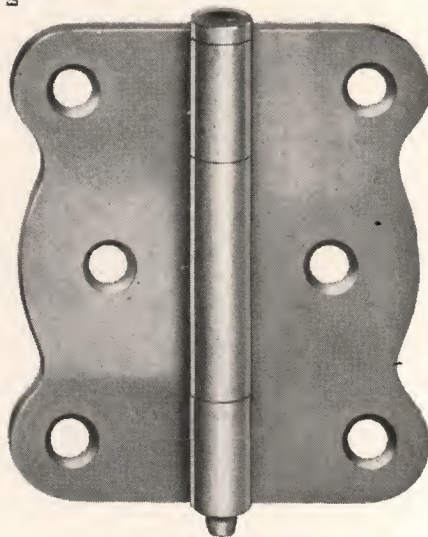
Number SC125

Loose Pin

A medium weight hinge for screen doors or other light doors with button tip pin.

Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified.

Packed six pair in a box with screws.



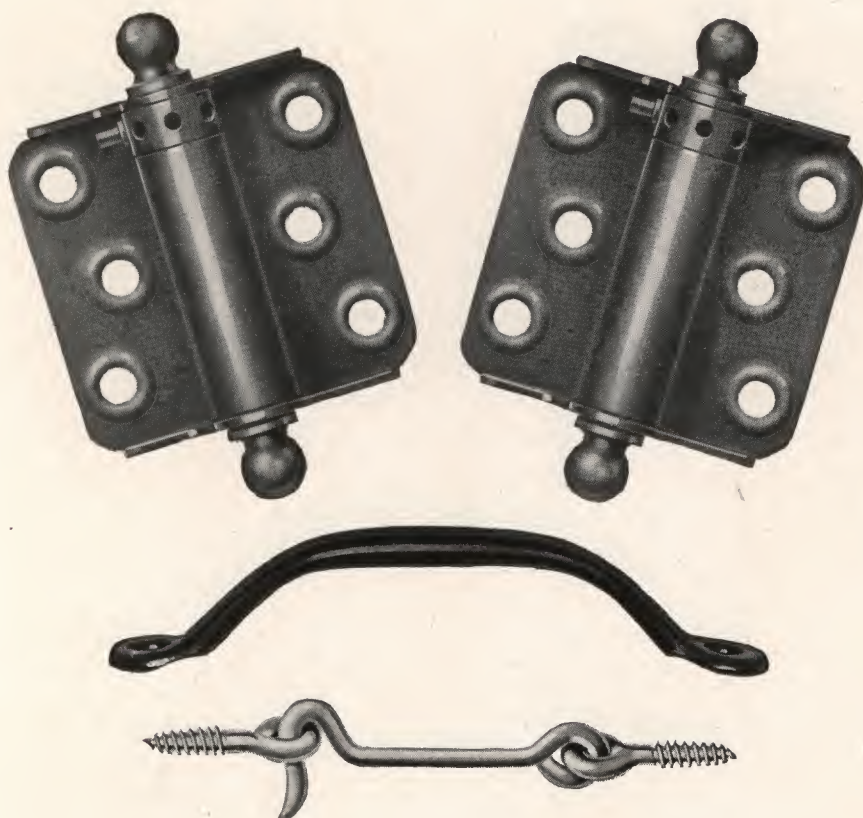
Cut Actual Size

Size, Length of Joint	Width Open	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
2 1/2"	2 3/8"	.065	6—3/4x8 F.H.	6	6	25

For list of finishes see Page 9.

Screen Door Set with Adjustable Spring Hinges

Number SC183½



Set consists of:

- One pair SC183 Adjustable Spring Hinges
- One only SC3040 Handle
- One only 2½" Gate Hook and Eye

Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Japan sets are packed with Zinc plated Gate Hook and Eye which is rust resisting.

Set in Box	Gross Sets in Carton	Weight per Carton
1	½	76

For list of finishes see Page 9.

Screen Door Set with Adjustable Spring Hinges

Number SC185½



Set consists of:

- One pair SC185 Adjustable Spring Hinges
- One only SC3040 Handle
- One only 2½" Gate Hook and Eye

Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Japan sets are packed with Zinc plated Gate Hook and Eye which is rust resisting.

Set in Box	Gross Sets in Carton	Weight per Carton
1	½	82

For list of finishes see Page 9.

Screen Door Set with Detachable Hinges

Number SC173 $\frac{1}{2}$



Set consists of:

One pair SC173 Detachable Spring Hinges

One only SC3040 Handle

One only 2 $\frac{1}{2}$ " Gate Hook and Eye

Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Japan sets are packed with Zinc plated Gate Hook and Eye which is rust resisting.

Set in Box	Gross Sets in Carton	Weight per Carton
1	$\frac{1}{2}$	64

For list of finishes see Page 9.

Screen Door Set

Number SC171½



Set consists of:

- One pair SC171 Spring Hinges
- One only SC3049 Handle
- One only 2½" Gate Hook and Eye

Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Japan sets are packed with Zinc plated Gate Hook and Eye which is rust resisting.

Set in Box	Dz. Sets in Box	Gross Sets in Carton	Weight per Carton
1	½	½	61

For list of finishes see Page 9.

Screen Door Set

Number SC181½



Set consists of:

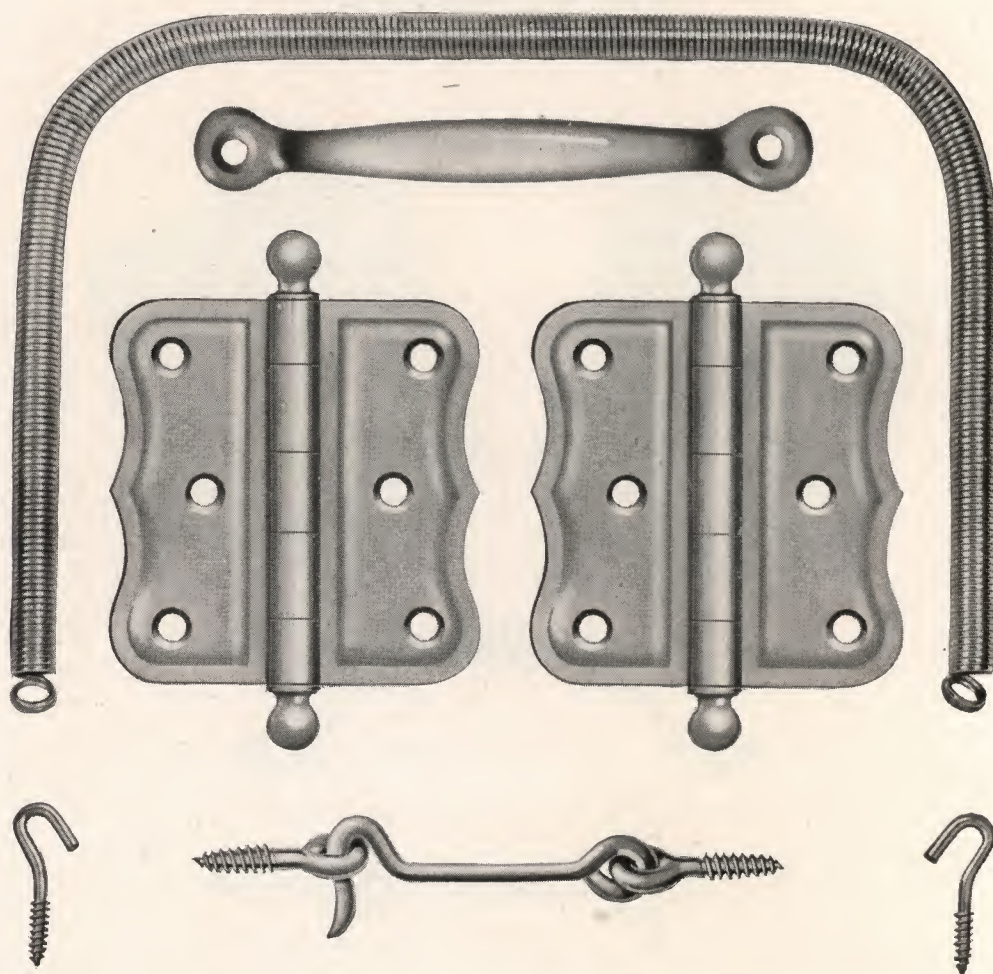
One pair SC181 Spring Hinges
 One only SC3049 Handle
 One only 2½" Gate Hook and Eye

Furnished in Japan and all plated finishes.
 Japan will be furnished when finish is not
 specified. Japan sets are packed with Zinc
 plated Gate Hook and Eye which is rust
 resisting.

Set in Box	Gross Sets in Carton	Weight per Carton
1	½	60½

For list of finishes see Page 9.

Screen Door Set Number SC193½



A Better Screen Set Built Around Our Embossed Screen Hinge

Set consists of:

- One pair SC193 Hinges
- One only SC3040 Handle
- One only No. 190 Size 4 Spring
- One only 2½" Gate Hook and Eye

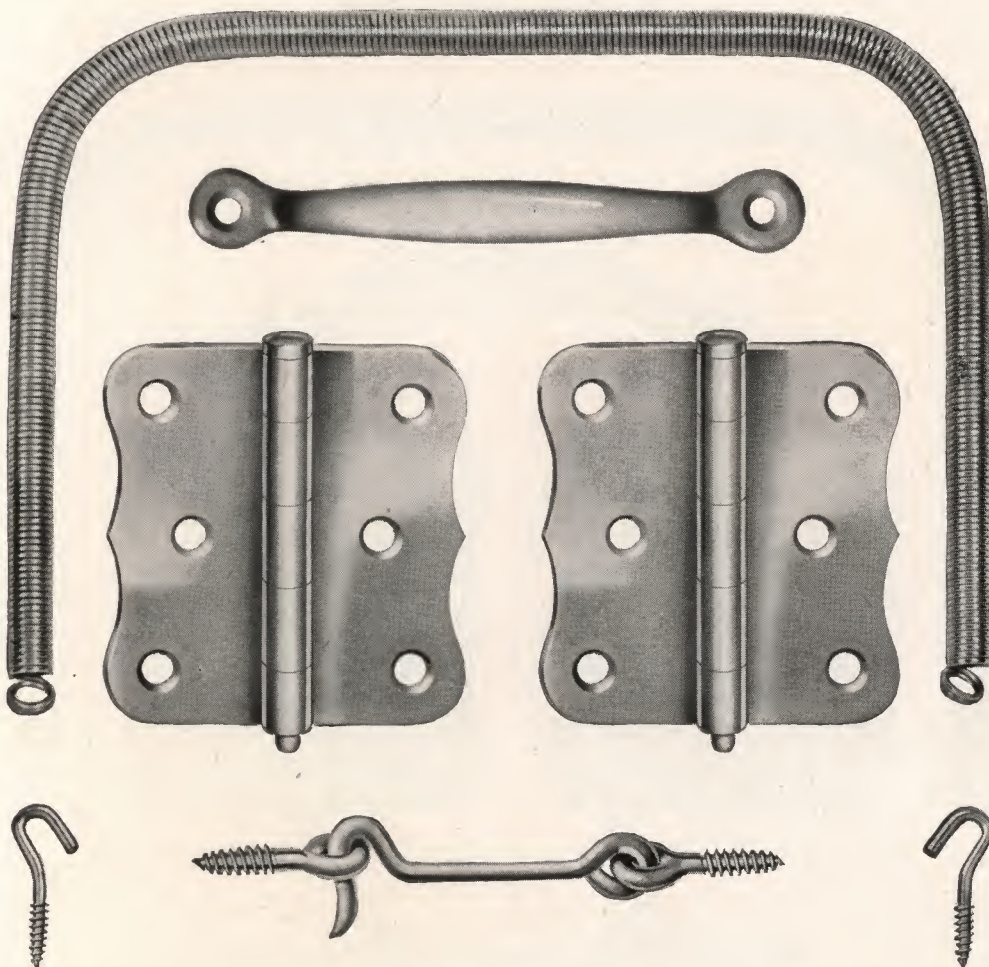
Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Japan sets are packed with Zinc plated Gate Hook and Eye which is rust resisting.

Set in Box	Gross Sets in Carton	Weight per Carton
1	½	72

For list of finishes see Page 9.

Screen Door Set

Number SC195 $\frac{1}{2}$



APPLICATION



Full Size 3" Hinge

A Screen Door Set Using Our Heavy Reversible Screen Door Hinge

Set consists of:

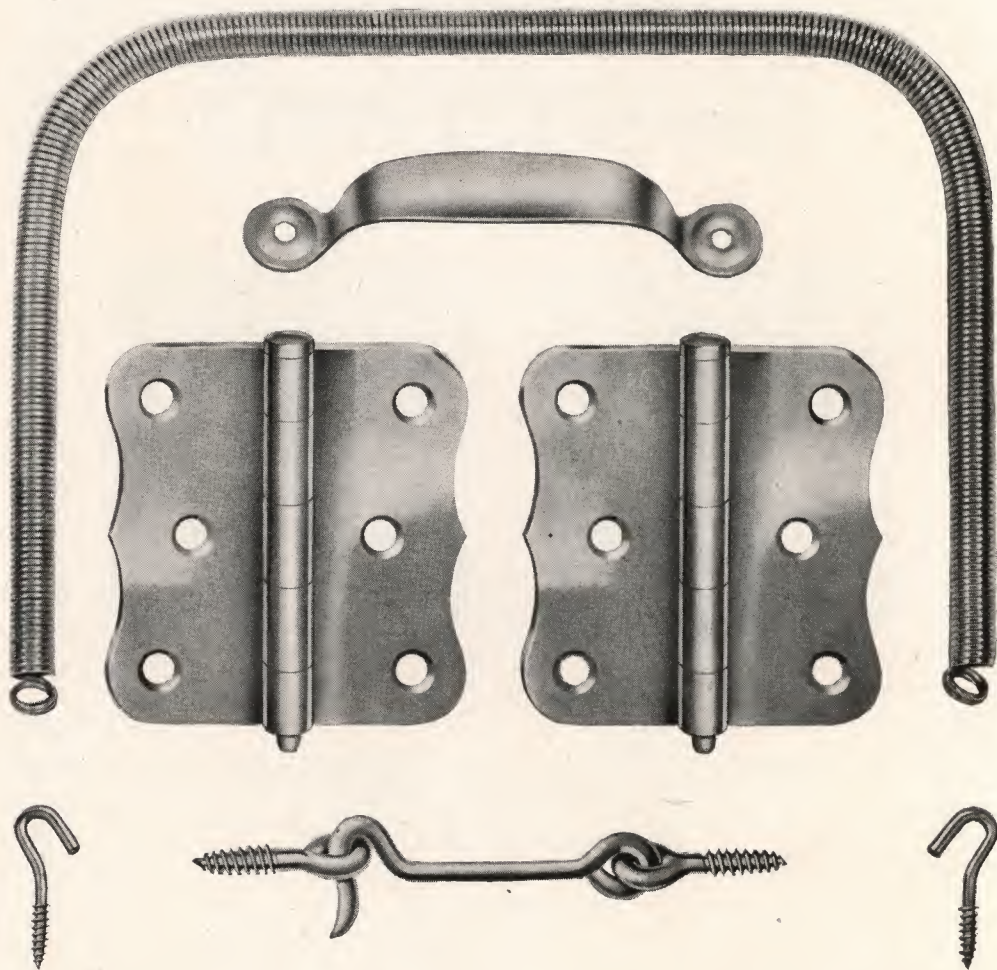
- One pair SC195 Hinges
- One only SC3040 Handle
- One only No. 190 Size 4 Spring
- One only 2 $\frac{1}{2}$ " Gate Hook and Eye

Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Japan sets are packed with Zinc plated Gate Hook and Eye which is rust resisting.

Set in Box	Gross Sets in Carton	Weight per Carton
1	$\frac{1}{2}$	72

For list of finishes see Page 9.

Screen Door Set
Number SC194½



Set consists of:

- One pair SC194 Hinges
- One only SC3049 Handle
- One only No. 190 Size 4 Spring
- One only 2½" Gate Hook and Eye

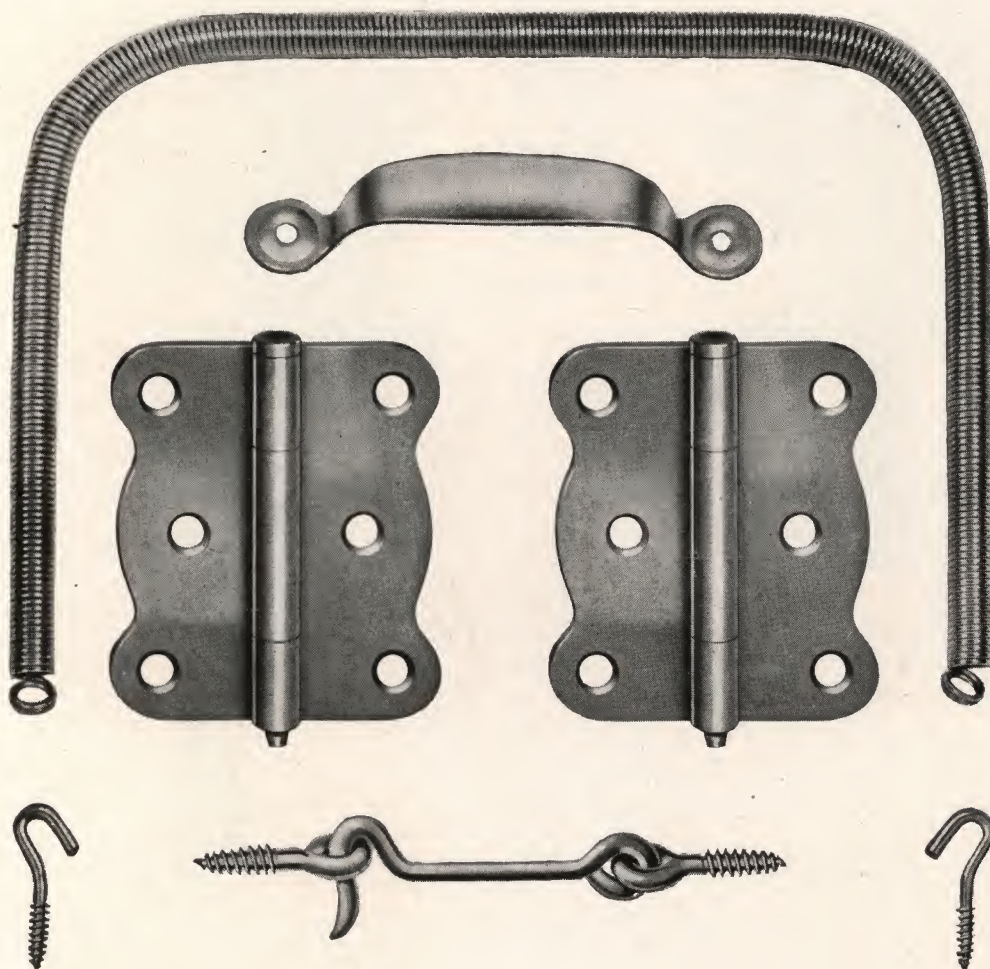
Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Japan sets are packed with Zinc plated Gate Hook and Eye which is rust resisting.

Set in Box	Gross Sets in Carton	Weight per Carton
1	½	65

For list of finishes see Page 9.

Screen Door Set

Number SC125½



Set consists of:

- One pair SC125 Hinges
- One only SC3049 Handle
- One only No. 190 Size 3 Spring
- One only 2½" Gate Hook and Eye

Furnished in Japan and all plated finishes. Japan will be furnished when finish is not specified. Japan sets are packed with Zinc plated Gate Hook and Eye which is rust resisting.

Set in Box	Gross Sets in Carton	Weight per Carton
1	½	49

For list of finishes see Page 9.

Mortise Screen or Storm Latches

Number SC432 (Steel)

Number SC432-A (Wrought Brass)



Illustration $\frac{2}{3}$ Actual Size

SC432 (Steel)

This is a latch designed to add the greatest dignity and beauty to any screen or storm door. Latch throw is full $\frac{3}{8}$ " to allow for any shrinkage. Latch bolt may easily be reversed.

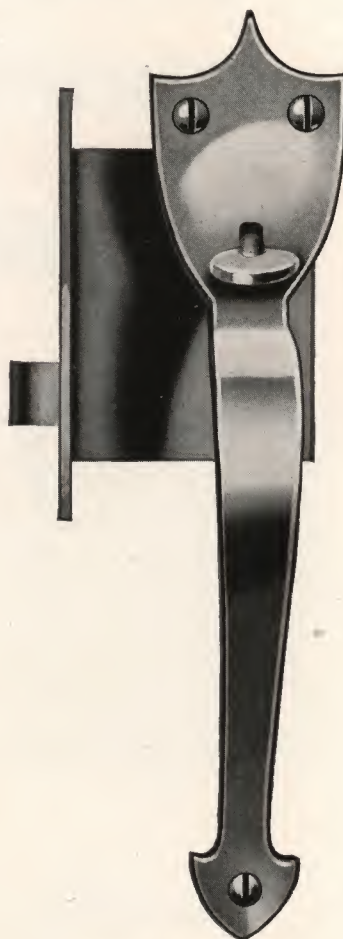
This latch is made entirely of steel except lever handle is of cast iron.

This latch should always be used on the best quality of work.

Size of case is $2\frac{7}{8}$ " x $1\frac{9}{8}$ " x $2\frac{1}{8}$ "; frontpiece $1\frac{1}{8}$ " x $3\frac{3}{4}$ "; length of outside handle $7\frac{1}{4}$ " overall, $1\frac{1}{2}$ " high; lever handle $2\frac{1}{2}$ " long, $1\frac{1}{2}$ " high; backset $1\frac{1}{2}$ "; inside escutcheon $1\frac{1}{2}$ " x $4\frac{1}{2}$ ".

Furnished in all finishes. Dull Brass will be furnished when finish is not specified.

Packed one set in a box with screws; one dozen sets in a carton.



SC432-A (Wrought Brass)

Construction and description of this latch is the same as the SC432. It is made of wrought brass instead of wrought steel except lock case which is made of wrought steel with wrought brass face plate.

Furnished in all finishes. Bright Brass will be furnished when finish is not specified.

Packed one set in a box with screws; one dozen sets in a carton.

Quantity and Size of Screws, Each	Set in Box	Dz. Sets in Carton	Weight per Carton
10— $\frac{3}{4}$ x6 F.H.	1	1	12

For list of finishes see Page 9.

Rim Screen or Storm Door Latches
Number SC433 (Steel)
Number SC433-A (Wrought Brass)

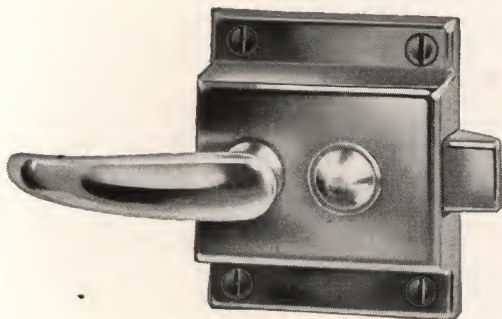


Illustration $\frac{2}{3}$ Actual Size

SC433 (Steel)

This Rim Latch has a universal appeal both as to appearance and durability. Latch bolt is very easily reversed without use of tools, making this either a right or left hand latch. Latch bolt has a full $\frac{3}{8}$ " throw allowing for any possible door shrinkage. Latch is made entirely of steel except lever handle is cast iron.

Case $2\frac{1}{2} \times 2\frac{1}{2}$ "; lever handle $2\frac{1}{2}$ " long, $1\frac{1}{2}$ " high; escutcheon plate $4\frac{5}{8} \times 1\frac{1}{2}$ "; backset $1\frac{1}{2}$ ".

Furnished in any plated finish. Dull Brass will be furnished when finish is not specified.

Packed one set in a box with screws; one dozen sets in a carton.

SC433-A (Wrought Brass)

Construction and description of this latch is the same as SC433 except it is made of brass instead of steel.

Furnished in all plated finishes. Bright Brass will be furnished when finish is not specified.

Packed one set in a box with screws; one dozen sets in a carton.

Quantity and Size of Screws, Each	Set in Box	Dz. Sets in Carton	Weight per Carton
9— $\frac{3}{4} \times 6$ F.H.	1	1	12

For list of finishes see Page 9.

Rim Screen or Storm Door Latches
Number SC434 (Steel) with Box Strike

Number SC434-A (Wrought Brass) with Box Strike

SC434 (Steel) with Box Strike

This is the same latch as the SC433 described above except it is furnished with box strike instead of mortise strike.

Furnished in any plated finish. Dull Brass will be furnished when finish is not specified.

Packed one set in a box with screws; one dozen sets in a carton.

SC434-A (Wrought Brass) with Box Strike

This is the same latch as the SC433-A described above except it is furnished with box strike instead of mortise strike.

Furnished in any plated finish. Bright Brass will be furnished when finish is not specified.

Packed one set in a box with screws; one dozen sets in a carton.



Box Strike

Quantity and Size of Screws, Each	Set in Box	Dz. Sets in Carton	Weight per Carton
9— $\frac{3}{4} \times 6$ F.H.	1	1	12

For list of finishes see Page 9.

Extra Heavy Screen Door Brace Number SC1154

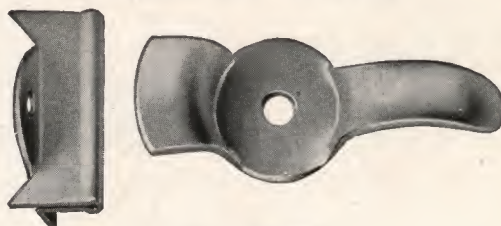


Furnished in Japan or any plated finish on special order. Packed one dozen in a box with screws. Turnbuckles are solid brass.

Size, Length	Diameter of Wire	Size of Turnbuckle	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
16"	$\frac{7}{32}$ "	2 $\frac{1}{8}$ " x $\frac{3}{8}$ "	4— $\frac{7}{8}$ x9 R.H.	1	10	28 $\frac{1}{2}$
50"	$\frac{7}{32}$ "	2 $\frac{1}{8}$ " x $\frac{3}{8}$ "	4— $\frac{7}{8}$ x9 R.H.	1	5	39

For list of finishes see Page 9.

Basement Window, Screen & Storm Sash Fastener Number SC168



Zinc Plated

This novel screen and storm sash fastener is far superior to any window spring bolt, turn button or hook and eye. It clamps and holds the sash firmly in position against the frame. It is extremely easy to apply. Packed one dozen sets in a box, a set consisting of two fasteners. Also packed separately handles only or strikes only, 24 in a box.

Specify Number H168 for handles only and Number S168 for strikes only.

Item Number	—Gauge of Metal— Handle Strike		Quantity and Size of Screws, Each	Dz. Set in Box	Gr. Set in Carton	Weight per Carton
SC168	.065	.035	2— $\frac{3}{4}$ x8 R.H.	1	2	36
H168	.065		1— $\frac{3}{4}$ x8 R.H.	1	2	24
S168		.035	1— $\frac{3}{4}$ x8 R.H.	1	2	12

Screen Door Springs Number 190

(No. 190-J U. S. Govt. Type F1845)



All springs are 16 inches in length. Packed one dozen in a box with screw hooks. All sizes furnished in Japan; sizes 2, 3, 4, 5 and 6 available in Zinc Plated; sizes 3 and 4 available in Group one plated finishes.

Size, Number	Gauge of Wire	Outside Diameter	Dz. in Box	Dz. in Carton	Weight per Carton
2	18	$\frac{5}{16}$	1	24	39
3	17 $\frac{1}{2}$	$\frac{11}{32}$	1	24	54
4	17	$\frac{3}{8}$	1	24	61
5	16	$\frac{7}{16}$	1	12	43
6	15 $\frac{1}{2}$	$\frac{1}{2}$	1	12	50
7	14 $\frac{1}{2}$	$\frac{9}{16}$	1	12	61

For list of finishes see Page 9.

Screen and Storm Sash Hangers
Number SC155



SC155
Side Application



SC155
Top Application



B155

B155

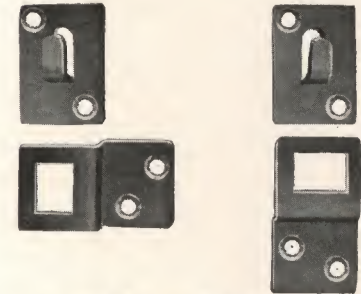
SC155
Japan or Zinc Plated.
Sash Hangers can be applied at
the top for full length screens or at
the side for half length screens.
Japan will be furnished unless otherwise specified.
Packed one dozen sets in a box with screws.

Bottom Parts Only
Japan or Zinc Plated.
Japan will be furnished unless otherwise specified.
Packed two dozen sets
in a box with screws.

Item Number	Size of Plate		Gauge of Metal	Quantity and Size of Screws, Each	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
	Top	Bottom					
SC155	1 9/16" x 1 1/8"	2" x 1 1/8"	.109	4—3/4 x 8 F.H.	1	2	63
B155		2" x 1 1/8"	.109	2—3/4 x 8 F.H.	2	2	33

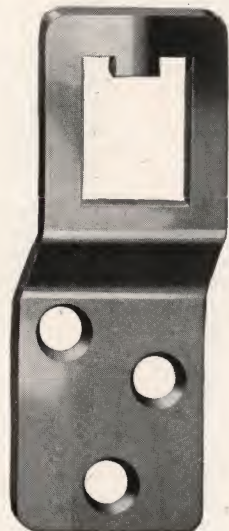
Screen and Storm Window Sets
SC155 1/2

Japan or Zinc Plated.
Consists of one set of SC155 Sash Hangers with screws
and one only 1 1/2" Gate Hook and Eye enclosed in an
envelope.
Japan will be furnished unless otherwise specified.
Japan sets are furnished with Zinc Plated Gate Hook and
Eye which is rust resisting.
Packed one dozen sets in a box with screws.



Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
1	2	69

Screen and Storm Sash Hangers Number SC156



SC156—Cut Actual Size

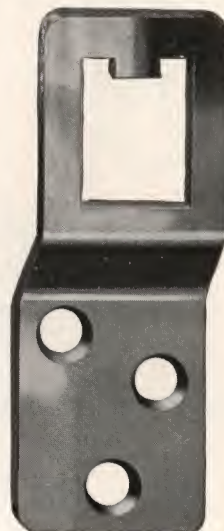
(SC156-CD U. S. Govt. Type F1831)

SC156

Japan or Zinc Plated.

Japan will be furnished unless otherwise specified.

Packed one dozen sets in a box with screws.



B156—Cut Actual Size

B156**Bottom Parts Only**

Japan or Zinc Plated.

Japan will be furnished unless otherwise specified.

Packed two dozen sets in a box with screws.

Item Number	Size of Plate		Gauge of Metal		Quantity and Size of Screws, Each	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
	Top	Bottom	Top	Bottom				
SC156	$\frac{7}{8}$ "x1 $\frac{3}{4}$ "	2 $\frac{1}{8}$ "x1"	.065	.109	7— $\frac{3}{4}$ x7 F.H.	1	2	70
B156		2 $\frac{1}{8}$ "x1"		.109	3— $\frac{3}{4}$ x7 F.H.	2	2	42



Screen and Storm Window Sets SC156 $\frac{1}{2}$

Japan or Zinc Plated.

Consists of one set of SC156 Sash Hangers with screws and one only 1 $\frac{1}{2}$ " Gate Hook and Eye enclosed in an envelope.

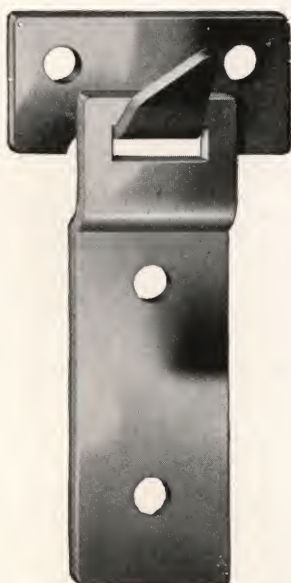
Japan will be furnished unless otherwise specified.

Japan sets are furnished with Zinc Plated Gate Hook and Eye which is rust resisting.

Packed one dozen sets in a box with screws.

Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
1	2	77

Screen and Storm Sash Hangers
Number SC159



SC159—Cut Actual Size
(SC159-CD U. S. Govt. Type F1825-B)
SC159

Japan or Zinc Plated.
Japan will be furnished unless otherwise specified.
Packed one dozen sets in a box with screws.

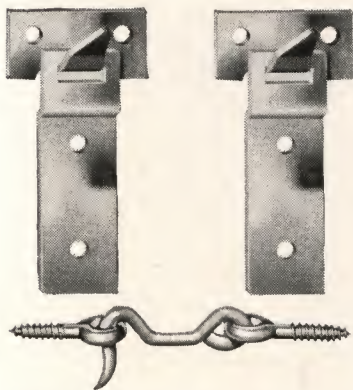


B159—Cut Actual Size
B159
Bottom Parts Only

Japan or Zinc Plated.
Japan will be furnished unless otherwise specified.
Packed two dozen sets in a box with screws.

Item Number	Size of Plate		Gauge of Metal		Quantity and Size of Screws, Each	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
	Top	Bottom	Top	Bottom				
SC159	3/4"x1 9/16"	2 1/8"x7/8"	.083	.109	4—3/4x8 R.H.	1	2	72
B159		2 1/8"x7/8"		.109	2—3/4x8 R.H.	2	2	46

Screen and Storm Window Sets
SC159 1/2

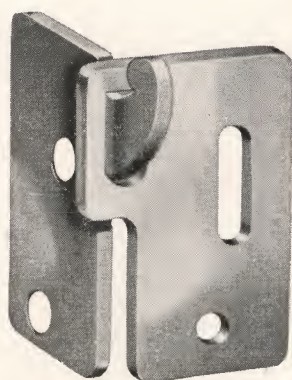


Japan or Zinc Plated.
Consists of one set of SC159 Sash Hangers with screws and one only 1 1/2" Gate Hook and Eye enclosed in an envelope.
Japan will be furnished unless otherwise specified.
Japan sets are furnished with Zinc Plated Gate Hook and Eye which is rust resisting.
Packed one dozen sets in a box with screws.

Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
1	2	78

Screen and Storm Sash Hangers

Number SC163



SC163—Cut Actual Size

SC163

Japan or Zinc Plated.

Japan will be furnished unless otherwise specified.

Packed one dozen sets in a box with screws.



B163—Cut Actual Size

B163

Bottom Parts Only

Japan or Zinc Plated.

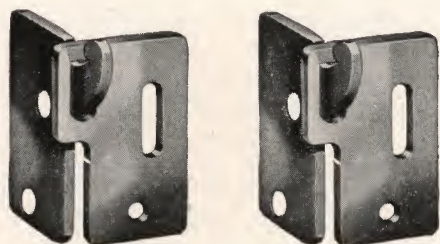
Japan will be furnished unless otherwise specified.

Packed two dozen sets in a box with screws.

Item Number	Size of Plate		Gauge of Metal	Quantity and Size of Screws, Each	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
	Top	Bottom					
SC163	1 $\frac{5}{8}$ "x1 $\frac{3}{8}$ "	1 $\frac{5}{8}$ "x1 $\frac{1}{8}$ "	.058	2— $\frac{5}{8}$ x5 R.H. 2— $\frac{5}{8}$ x5 F.H.	1	2	33
B163		1 $\frac{5}{8}$ "x1 $\frac{1}{8}$ "	.058	2— $\frac{5}{8}$ x5 R.H.	2	2	17

Screen and Storm Window Sets

SC163 $\frac{1}{2}$



Japan or Zinc Plated.

Consists of one set of SC163 Sash Hangers with screws and one only 1 $\frac{1}{2}$ " Gate Hook and Eye enclosed in an envelope.

Japan will be furnished unless otherwise specified.

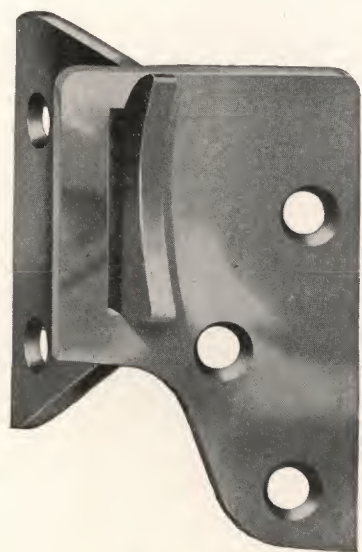
Japan sets are furnished with Zinc Plated Gate Hook and Eye which is rust resisting.

Packed one dozen sets in a box with screws.



Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
1	2	39

Screen and Storm Sash Hangers
Number SC164



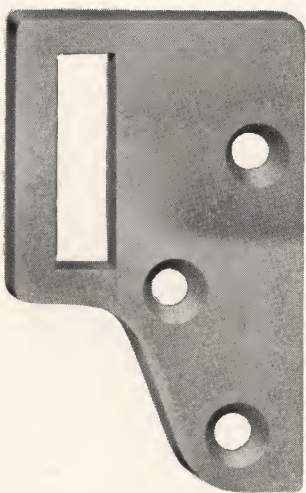
SC164—Cut Actual Size

SC164

Japan or Zinc Plated.

Japan will be furnished unless otherwise specified.

Packed one dozen sets in a box with screws.



B164—Cut Actual Size

B164

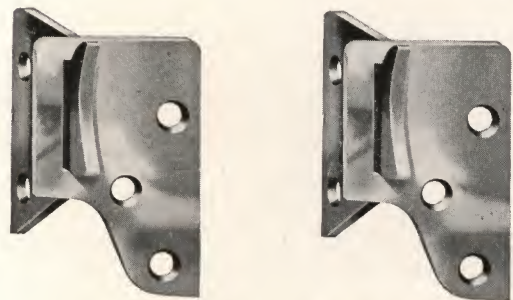
Bottom Parts Only

Japan or Zinc Plated.

Japan will be furnished unless otherwise specified.

Item Number	Size of Plate		Gauge of Metal	Quantity and Size of Screws, Each	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
	Top	Bottom					
SC164	2¼"x1⅝"	2½"x1½"	.120	6—¾x7 F.H.	1	1	60
B164		2½"x1½"	.120	3—¾x7 F.H.	2	1	30

Screen and Storm Window Sets
SC164½



Japan or Zinc Plated.

Consists of one set of SC164 Sash Hangers with screws and one only 1½" Gate Hook and Eye enclosed in an envelope.

Japan will be furnished unless otherwise specified.

Japan sets are furnished with Zinc Plated Gate Hook and Eye which is rust resisting.

Packed one dozen sets in a box with screws.

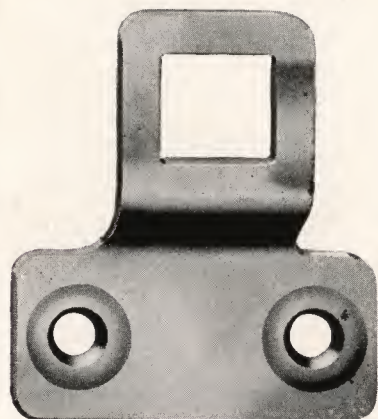
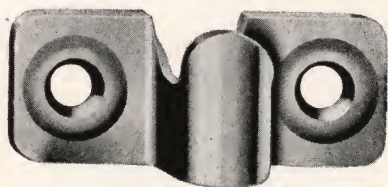
Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
1	1	66

Screen and Storm Sash Hangers

Steel and Wrought Brass

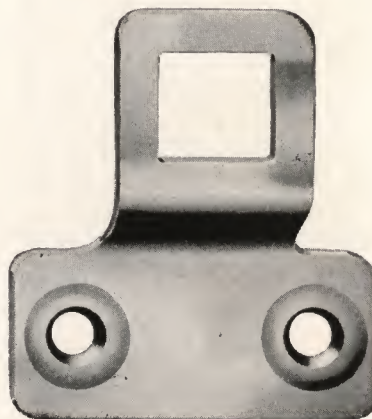
Numbers SC165 (Steel)

SC165-A (Wrought Brass)



SC165—Cut Actual Size

(SC165-CD U. S. Govt. Type F1825)



B165—Cut Actual Size

SC165 (Steel)

Japan or Zinc Plated.

Japan will be furnished unless otherwise specified.

Packed one dozen sets in a box with screws.

B165 (Steel)

Bottom Parts Only

Japan or Zinc Plated.

Japan will be furnished unless otherwise specified.

Packed two dozen sets in a box with screws.

SC165-A (Wrought Brass)

Regularly will be furnished in Bright Brass. Other finishes available on special order.

Packed one dozen sets in a box with screws.

B165-A (Wrought Brass)

Bottom Parts Only

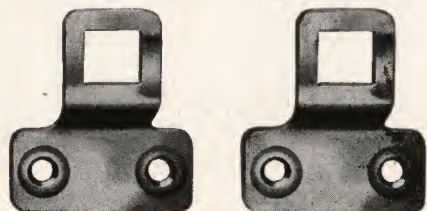
Regularly will be furnished in Bright Brass. Other finishes available on special order.

Packed two dozen sets in a box with screws.

Item Number	Size of Plate		Gauge of Metal	Quantity and Size of Screws, Each	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
	Top	Bottom					
SC165	7/8"x2"	2 5/16"x2"	.065	4—3/4x7 F.H.	1	2	58
SC165-A	7/8"x2"	2 5/16"x2"	.065	4—3/4x7 F.H.	1	2	63 1/2
B165		2 5/16"x2"	.065	2—3/4x7 F.H.	2	2	38
B165-A		2 5/16"x2"	.065	2—3/4x7 F.H.	2	2	41 1/2

Screen and Storm Window Sets

SC165 1/2 (Steel)



Japan or Zinc Plated.

Consists of one set of SC165 Sash Hangers with screws and one only 1 1/2" Gate Hook and Eye enclosed in an envelope.

Japan will be furnished unless otherwise specified.

Japan sets are furnished with Zinc Plated Gate Hook and Eye which is rust resisting.

Packed one dozen set in a box with screws.

SC165 1/2-A (Wrought Brass)

Consists of one set of SC165-A Sash Hangers with screws and one only 1 1/2" Gate Hook and Eye enclosed in an envelope.

Regularly will be furnished in Bright Brass. Other finishes available on special order.

Item Number	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
SC165 1/2	1	2	67
SC165 1/2-A	1	2	73 1/2

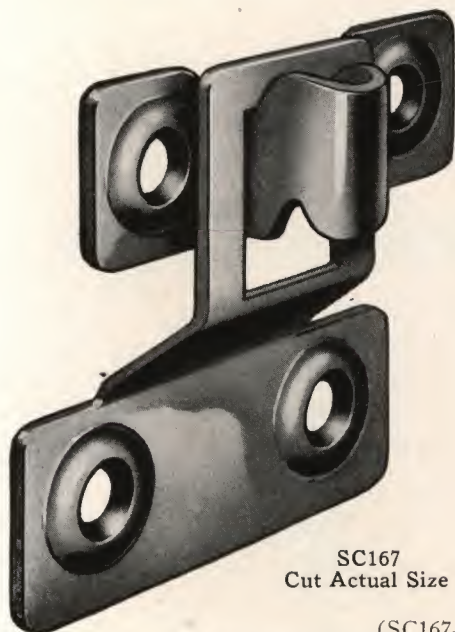
Screen and Storm Sash Hangers

Steel and Wrought Brass

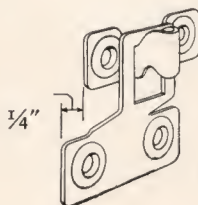
Numbers SC167 (Steel)

SC167-A (Wrought Brass)

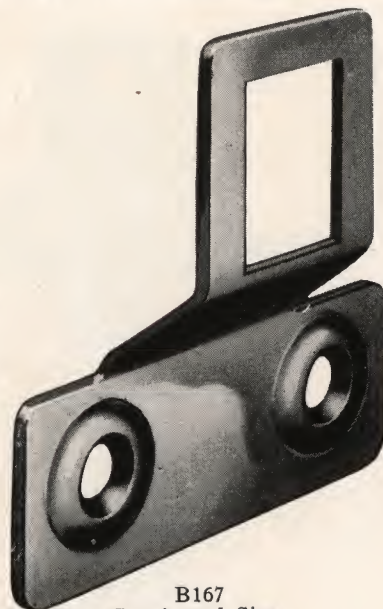
Application



Screen and Trim Flush
Use Outside Hook



SC167
Cut Actual Size $1\frac{1}{8}$ " Trim and $\frac{7}{8}$ " Screen
Use Inside Hook
(SC167-CD U. S. Govt. Type F1824)



B167
Cut Actual Size

SC167 (Steel)

Japan or Zinc Plated.
Japan will be furnished unless otherwise specified.

Packed one dozen sets in a box with screws.

B167 (Steel)

Bottom Parts Only

Japan or Zinc Plated.
Japan will be furnished unless otherwise specified.

Packed two dozen sets in a box with screws.

SC167-A (Wrought Brass)

Regularly will be furnished in Bright Brass.
Other finishes available on special order.

Packed one dozen sets in a box with screws.

B167-A (Wrought Brass)

Bottom Parts Only

Regularly will be furnished in Bright Brass.
Other finishes available on special order.

Packed two dozen sets in a box with screws.

Item Number	Size of Plate		Gauge of Metal	Quantity and Size of Screws, Each	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
	Top	Bottom					
SC167	$\frac{3}{4}$ " x $2\frac{1}{8}$ "	$2\frac{1}{4}$ " x 2"	.065	4— $\frac{3}{4}$ x7 F.H.	1	2	64
SC167-A	$\frac{3}{4}$ " x $2\frac{1}{8}$ "	$2\frac{1}{4}$ " x 2"	.065	4— $\frac{3}{4}$ x7 F.H.	1	2	70½
B167		$2\frac{1}{4}$ " x 2"	.065	2— $\frac{3}{4}$ x7 F.H.	2	2	37
B167-A		$2\frac{1}{4}$ " x 2"	.065	2— $\frac{3}{4}$ x7 F.H.	2	2	40½

Screen and Storm Window Sets

SC167½ (Steel)

Japan or Zinc Plated.

Consists of one set of SC167 Sash Hangers with screws and one only $1\frac{1}{2}$ " Gate Hook and Eye enclosed in an envelope.

Japan finish will be furnished when finish is not specified.
Japan sets are furnished with Zinc Plated Gate Hook and Eye which is rust resisting.

Packed one dozen sets in a box with screws.

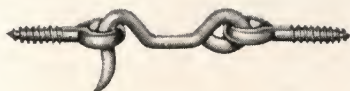
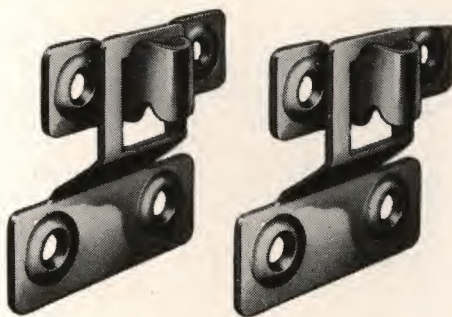
SC167½-A (Wrought Brass)

Consists of one set of SC167-A Sash Hangers with screws and one only $1\frac{1}{2}$ " Gate Hook and Eye enclosed in an envelope.

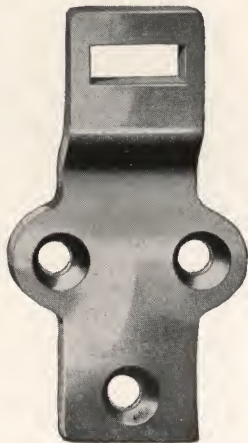
Regularly will be furnished in Bright Brass. Other finishes available on special order.

Packed one dozen sets in a box with screws.

Item Number	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
SC167½	1	2	70
SC167½-A	1	2	77



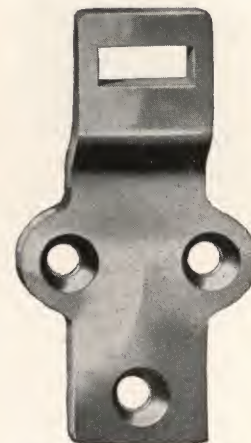
Screen and Storm Sash Hangers Number SC166



SC166—Cut Actual Size
(SC166-CD U. S. Govt. Type F1830)

SC166

Japan or Zinc Plated.
Japan will be furnished unless otherwise specified.
Packed one dozen sets in a box with screws.

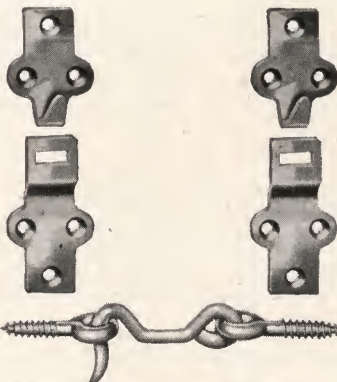


B166—Cut Actual Size
B166

Bottom Parts Only

Japan or Zinc Plated.
Japan will be furnished unless otherwise specified.
Packed two dozen sets in a box with screws.

Item Number	Size of Plate		Gauge of Metal	Quantity and Size of Screws, Each	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
	Top	Bottom					
SC166	1 3/4" x 1 1/4"	2 3/8" x 1 1/4"	.120	6—3/4 x 7 F.H.	1	2	65
B166		2 3/8" x 1 1/4"	.120	3—3/4 x 7 F.H.	2	2	34

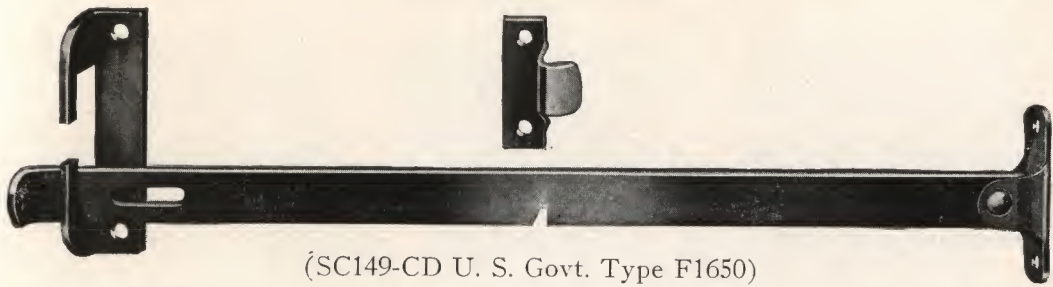


Screen and Storm Window Sets SC166 1/2

Japan or Zinc Plated.
Consists of one set of SC166 Sash Hangers with screws and one only 1 1/2" Gate Hook and Eye enclosed in an envelope.
Japan will be furnished unless otherwise specified.
Japan sets are furnished with Zinc Plated Gate Hook and Eye which is rust resisting.
Packed one dozen sets in a box with screws.

Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
1	2	72

Storm Window Ventilator
Number SC149

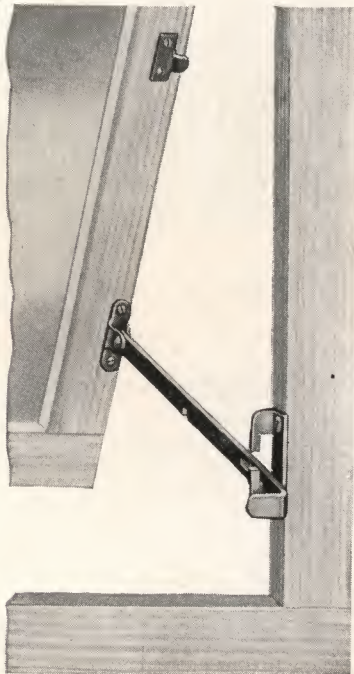


(SC149-CD U. S. Govt. Type F1650)
Japan or Zinc Plated

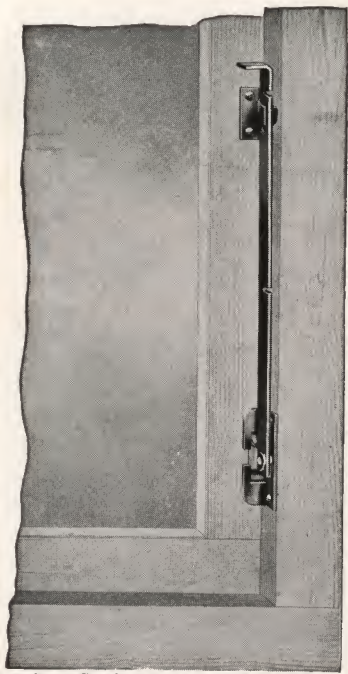
This ventilator can be used with any of our Sash Hangers. It can also be used with any other sash hanger on the market. When the window is closed the arm acts as a self-locking device and prevents opening window from the outside.

Furnished in two lengths, 10" and 5". Ten inch will be furnished when length is not specified. Japan will be furnished when finish is not specified. Packed one dozen pair in a box with screws.

Size, Length of Arm	Arm	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
5"	1/2" x 1/8"	2— 1x7 F.H. 2— 3/4x8 R.H.	1	5	26
10	1/2" x 1/8"	2— 3/4x6 R.H. 2— 1x7 F.H. 2— 3/4x8 R.H. 2— 3/4x6 R.H.	1	5	35

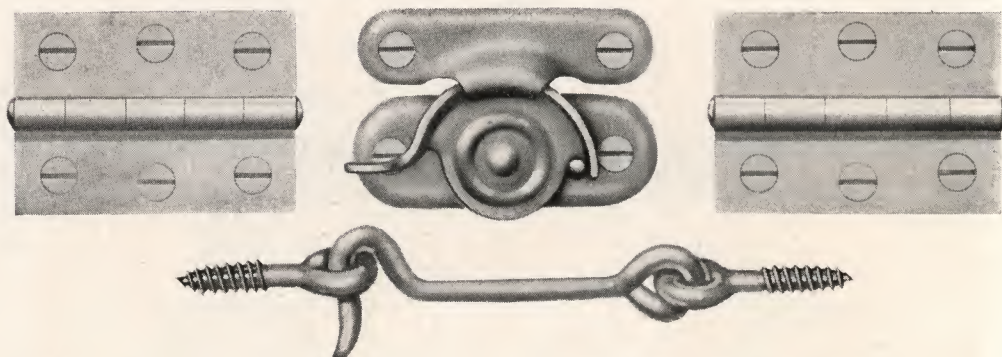


Applied Sash Open



Applied Sash Closed and Locked

Cellar Window Set Number SC153



Set consists of:

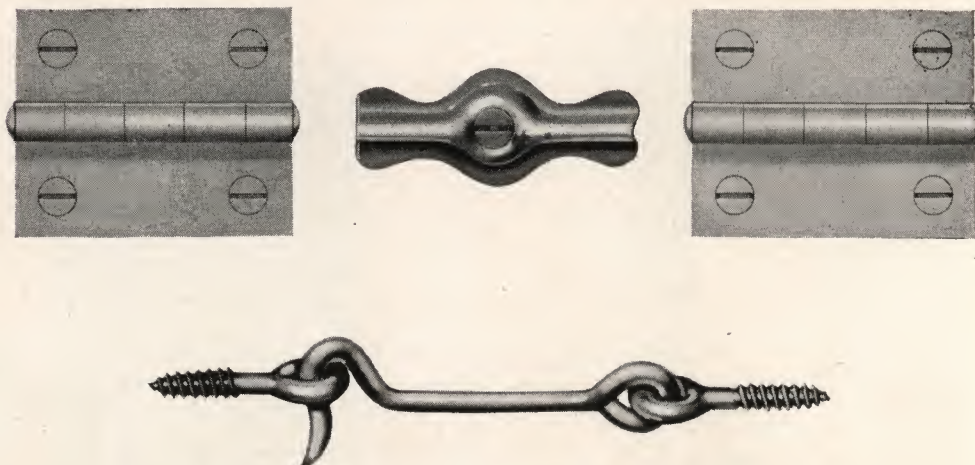
- One pair 2 1/2" SC810 Butts
- One only SC174 Sash Lock
- One only 2 1/2" Gate Hook and Eye

Japan or Zinc Plated finish.

Zinc plated sets are heavily coated to prevent rusting. Japan sets are packed with zinc plated gate hook and eye which is rust resisting.

Quantity and Size of Screws, Each		Set	Dz. Sets	Gr. Sets	Weight
Hinge	Sash Lock	in Box	in Box	in Carton	per Carton
6—3/4x6 F.H.	4—3/4x6 F.H.	1	1	1/2	35

Cellar Window Set Number SC154 1/2



Set consists of:

- One pair 2" SC810 Butts
- One only 2" SC127 Turn Button
- One only 2 1/2" Gate Hook and Eye

Japan or Zinc Plated finish.

Zinc plated sets are heavily coated to prevent rusting. Japan sets are packed with Zinc plated gate hook and eye which is rust resisting.

Quantity and Size of Screws, Each		Set	Dz. Sets	Gr. Sets	Weight
Hinge	Turn Button	in Box	in Box	in Carton	per Carton
4—3/4x6 F.H.	1—1x8 O.H.	1	1	1/2	22

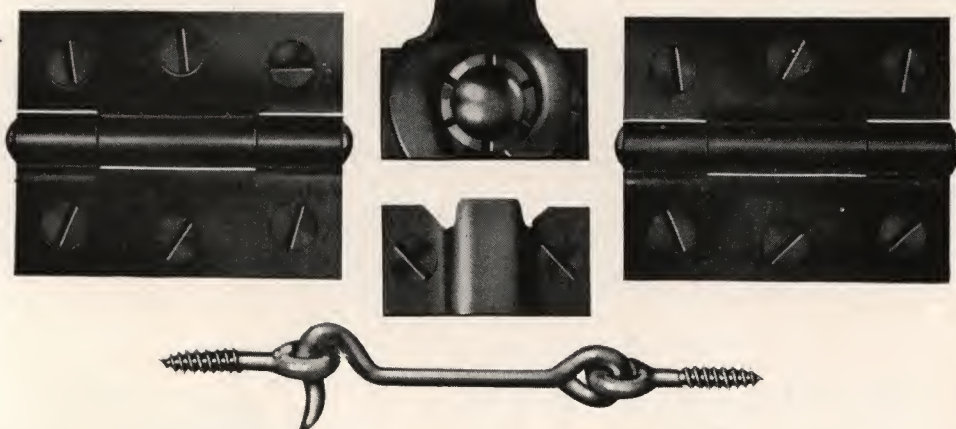
Cellar Window Set

Number SC169 $\frac{1}{2}$

Set consists of:
 One pair 2 $\frac{1}{2}$ "
 SC850 Butts.
 One only SC169
 Fastener.
 One only 2 $\frac{1}{2}$ "
 Gate Hook and Eye.

Japan or Zinc
 Plated finish.

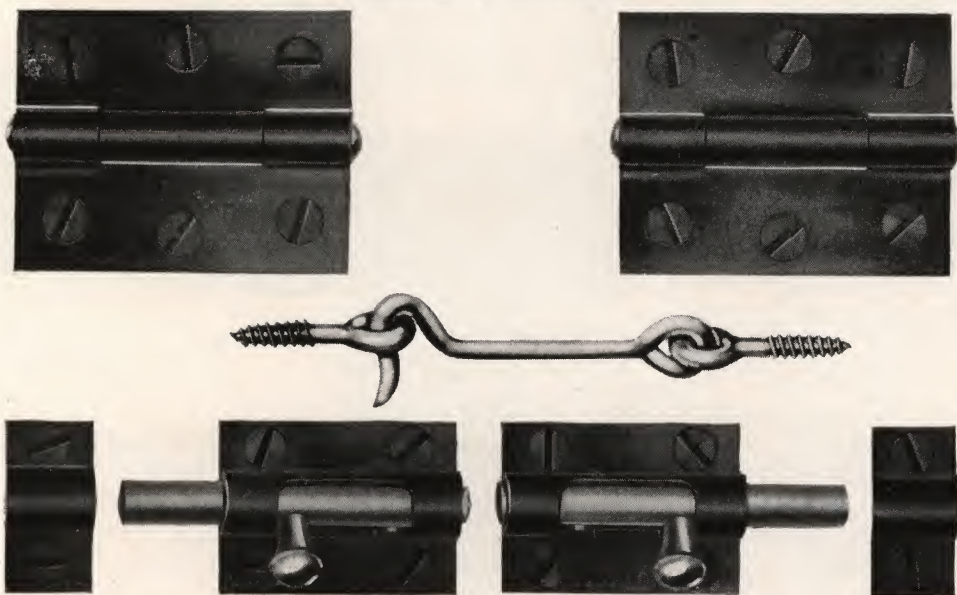
Zinc plated sets
 are heavily coated to
 prevent rusting. Ja-
 pan sets are packed
 with Zinc plated gate
 hook and eye which
 is rust resisting.



Quantity and Size of Screws, Each Hinge	Quantity and Size of Screws, Each Fastener	Set in Box	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
6— $\frac{3}{4}$ x8 F.H.	4— $\frac{3}{4}$ x7 F.H.	1	1	$\frac{1}{2}$	46 $\frac{1}{4}$

Cellar Window Set

Number SC158

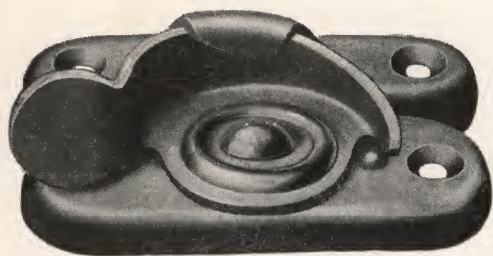


Set consists of:
 One pair 2 $\frac{1}{2}$ " SC850 Butts
 Two only 2 $\frac{1}{2}$ " SC990 Barrel Bolts
 One only 2 $\frac{1}{2}$ " Gate Hook and Eye

Japan or Zinc Plated finish.

Zinc plated sets are heavily coated to prevent
 rusting. Japan sets are packed with Zinc plated
 gate hook and eye which is rust resisting.

Quantity and Size of Screws, Each Hinge	Quantity and Size of Screws, Each Barrel Bolt	Set in Box	Dz. Sets in Box	Gr. Sets in Carton	Weight per Carton
6— $\frac{3}{4}$ x8 F.H.	6— $\frac{3}{4}$ x6 F.H.	1	1	$\frac{1}{2}$	53



Sash Lock Number SC174

(Steel)

(SC174 U. S. Govt. Type F1142)

Number SC174-A

(Wrought Brass)

(SC174-A U. S. Govt. Type 1142)

An exceptionally durable spring-actuated sash lock made either of cold rolled steel or Wrought Brass Metal. If Wrought Brass Metal is desired order SC174-A.

This lock will positively pull the windows together.

Furnished in all finishes.

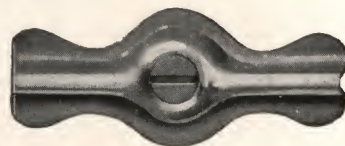
Packed one dozen in a box with screws.

Item Number	Quantity and Size of Screws, Each	Dz. in Box	Gross in Carton	Weight per Carton
SC174	4— $\frac{3}{4}$ x6 F.H.	1	2	43
SC174-A	4— $\frac{3}{4}$ x6 F.H.	1	2	45

For list of finishes see Page 9.

All Steel Turn Button Number 127 (No Screws) Number SC127 (With Screws)

Japan and Zinc Plated



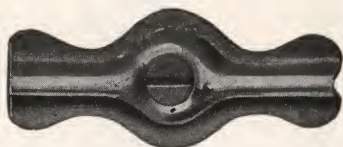
This Turn Button is a marked improvement over the old style cast turns. It weighs less, takes a better finish and is much stronger and more durable. We Japan the turn buttons by a special method which insures a bright Jet Black finish.

Screws will be furnished unless otherwise specified.

Japan will be furnished when finish is not specified.

Packed one gross in a box except $2\frac{1}{4}$ " which is $\frac{1}{2}$ gross.

Item Number	Size, Length	Size of Screws, Each	Gross in Box	Gross in Carton	Weight per Carton
127	$1\frac{1}{2}$ "		1	10	20
	$1\frac{3}{4}$ "		1	10	25
	2"		1	10	29
	$2\frac{1}{4}$ "		$\frac{1}{2}$	5	$18\frac{1}{2}$
SC127	$1\frac{1}{2}$ "	1x8 O.H.	1	10	26
	$1\frac{3}{4}$ "	1x8 O.H.	1	10	32
	2"	1x8 O.H.	1	10	36
	$2\frac{1}{4}$ "	1x8 O.H.	$\frac{1}{2}$	5	21

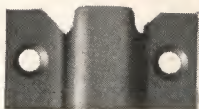


Solid Brass Turn Button Number 127-A (No Screws) Number SC127-A (With Screws)

No rust streaks from this turn. Furnished in Natural Brass. One size only, $1\frac{3}{4}$ inches. Screws will be furnished unless otherwise specified. Packed one gross in a box.

Item Number	Size, Length	Size of Screws, Each	Gross in Box	Gross in Carton	Weight per Carton
127-A	$1\frac{3}{4}$ "		1	10	22
SC127-A	$1\frac{3}{4}$ "	1x8 O.H.	1	10	35

Window Fastener
Number SC169



SC169

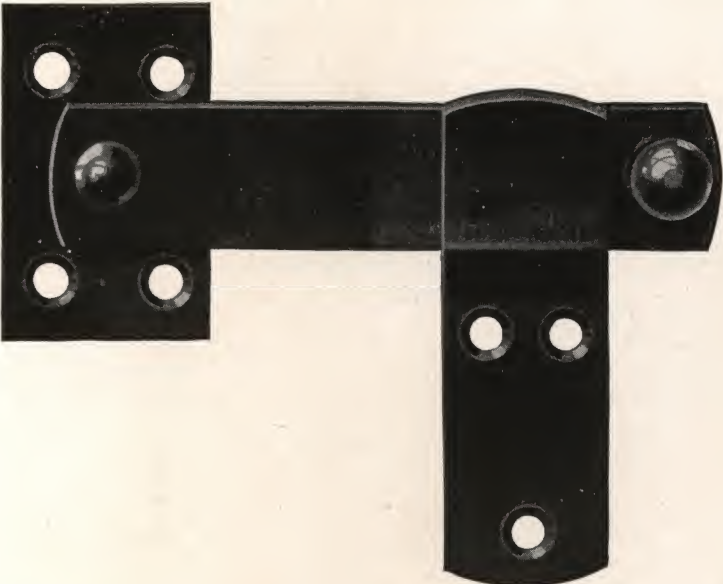


Universal Strike
When Fastener
is desired with
Universal Strike,
Specify U169

Illustrations One-half Actual Size
(SC169 U. S. Govt. Type F1137)
(SC169-CD U. S. Govt. Type F1137-C)

This fastener will lock and pull window tight against stops and will force window open by turning beyond center when unlocking. Regularly packed one dozen in a box with screws and with Rim Strike, specify **SC169**; will pack with Universal Strike (specify **U169**). Japan or Zinc Plated. Japan will be furnished when finish is not specified.

Fastener Overall	Projection	Gauge of Metal	Strike		Quantity and Size of Screws, Each	Dz. in Box	Dz. in. Carton	Weight per Carton
			Rim	Universal				
2 7/8"	1/4"	.072	1 1/16" x 7/8"	1 5/8" x 1 5/8"	4—3/4 x 7 F.H.	1	10	21

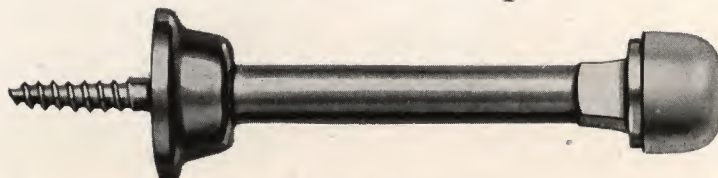


Shutter Fast
Number SC138

Japanned
Packed one dozen in a box
with screws.
Two sizes, 5 and 7-inch.

Size of Bar		Swivel Plate	Strike Plate	Gauge of Metal		Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
Length	Width			Swivel Plate	Bar and Strike				
5"	1 1/4"	2 1/4" x 1 3/8"	4" x 1 1/4"	.083	1 3/16"	7—7/8 x 9 F.H.	1	5	46
7"	1 1/4"	2 1/4" x 1 3/8"	4" x 1 1/4"	.083	1 3/16"	7—7/8 x 9 F.H.	1	5	53

Steel Door Stop



Cut Actual Size

Number 415

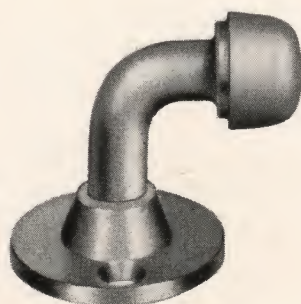
A sturdy and attractive Door Stop made entirely of steel and furnished with white rubber tips. A smooth surface for plating is assured with the all steel construction. Furnished in all plated finishes. Packed one dozen in a box.

Diameter of Base	Projection	Diameter of Rod	Dz. in Box	Gr. in Carton	Weight per Carton
$\frac{3}{4}$ "	$3\frac{3}{4}$ "	$\frac{5}{16}$ "	1	1	17

For list of finishes see Page 9.

Steel Floor Door Stop

Number SC417



Cut Actual Size

A sturdy and attractive Floor Door Stop made entirely of steel and furnished with white rubber tips. A smooth surface for plating is assured with the all steel construction.

Furnished in all plated finishes. Packed one dozen in a box with screws.

Diameter of Base	Overall Height	Quantity and Size of Screws, Each	Dz. in Box	Gr. in Carton	Weight per Carton
$1\frac{1}{8}$ "	$1\frac{3}{8}$ "	2— $\frac{5}{8}$ x5 F.H.	1	1	16

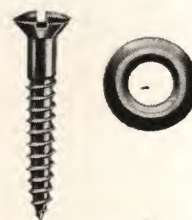
For list of finishes see Page 9.

Two-Piece Stop Bead Screws

Number 143 (Steel)

Number 143-A (Brass)

Steel and Brass. Two sizes. Furnished in all plated finishes. Packed one gross in a box.

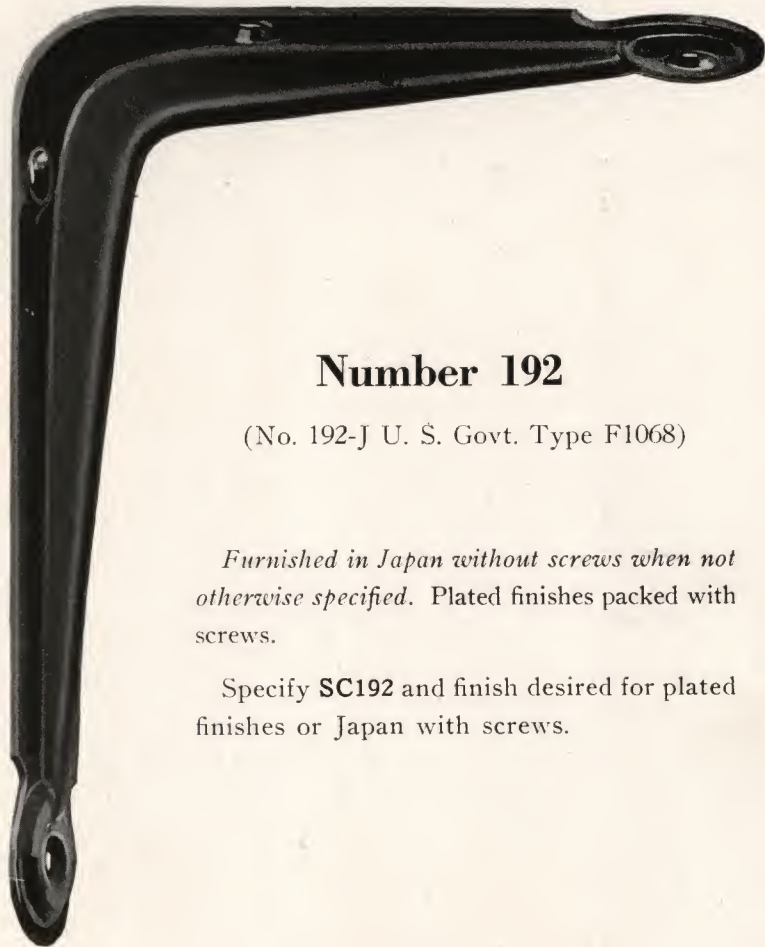


Cut Actual Size

Size of Screw, Oval Hd.	Diameter of Washer	Gr. in Box	Gr. in Carton	Weight per Carton
$1\frac{1}{8}$ x8	$\frac{1}{2}$ "	1	25	27
$1\frac{1}{2}$ x8	$\frac{1}{2}$ "	1	25	$32\frac{1}{2}$

For list of finishes see Page 9.

Wrought Steel Shelf Brackets



Number 192

(No. 192-J U. S. Govt. Type F1068)

Furnished in Japan without screws when not otherwise specified. Plated finishes packed with screws.

Specify **SC192** and finish desired for plated finishes or Japan with screws.

Size	Quantity and Size of Screws, Each		Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
	Shelf	Wall			
3"x 4"	3— 5⁄8x 5	3— 3⁄4x 6	1	4	9½
4"x 5"	3— 3⁄4x 8	3—1 1⁄4x 8	1	4	16½
5"x 6"	3— 3⁄4x 8	3—1 1⁄4x 8	½	2	14
5"x 7"	3— 3⁄4x 8	3—1 1⁄4x 8	½	2	16
6"x 8"	3— 7⁄8x 9	3—1 1⁄4x 9	½	2	17½
7"x 9"	3— 7⁄8x 9	3—1 1⁄4x 9	½	1	14½
8"x10"	3— 7⁄8x 9	3—1 1⁄4x 9	¼	1	16
10"x12"	3—1 x10	3—1 3⁄4x10	¼	1	21
12"x14"	3—1 x10	3—1 3⁄4x10	¼	1	25

For list of finishes see Page 9.

Pressed Steel Push Plates

Number SC310

Bevel Edge

Two sizes, $2\frac{3}{4}$ x 10 in. and $3\frac{1}{2}$ x 12 in.

Small size will be furnished when size is not specified.

These plates are made of cold rolled steel, heavily plated for hard wear.

Packed one dozen in a box with screws.

All finishes.

Size	Gauge of Metal	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
$2\frac{3}{4}$ "x10"	.035	4— $\frac{5}{8}$ x6 O.H.	1	5	18½
$3\frac{1}{2}$ "x12"	.042	4— $\frac{5}{8}$ x6 O.H.	1	5	38

For list of finishes see Page 9.



Solid Brass Push Plates

Number SC310-A

Bevel Edge

Two sizes, $2\frac{3}{4}$ x 10 in. and $3\frac{1}{2}$ x 12 in.

Small size will be furnished when size is not specified.

These plates are made of brass metal.

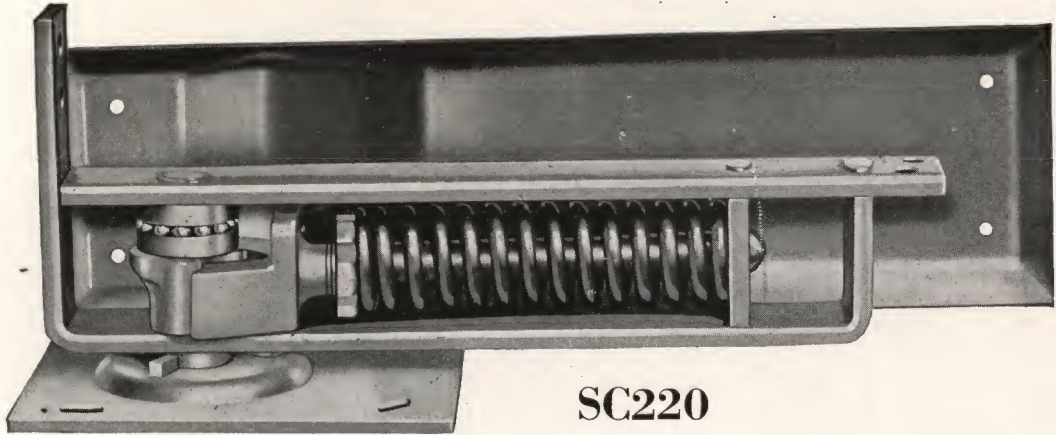
Packed one dozen in a box with screws.

All finishes.

Size	Gauge of Metal	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
$2\frac{3}{4}$ "x10"	.035	4— $\frac{5}{8}$ x6 O.H.	1	5	20
$3\frac{1}{2}$ "x12"	.042	4— $\frac{5}{8}$ x6 O.H.	1	5	42

For list of finishes see Page 9.

Adjustable Ball Bearing Floor Hinges



SC220

(SC220-A U. S. Govt. Type 2334)

The entire weight of the door is carried on Ball Bearings.

An extra heavy floor plate is used with a second plate riveted and spot welded to it and further secured by lugs perforating the first plate. With this construction it is impossible for the post to become loose. This construction insures the door always coming to rest in the exact center of the doorway.

Hinge holds the door open when pushed to ninety degrees or further and the door is stopped positively at ninety-five degrees.

Side plates are reversible so that different finishes may be used for the two sides without the necessity of ordering right or left hand plates—they are interchangeable.

SC220 (Steel)

Adjustable Floor Hinge.

It is furnished with steel floor, side, top and back plates in any plated finish.

Floor plate is slotted to allow adjustment for centering the door.

SC220-A (Wrought Brass)

Adjustable Floor Hinge.

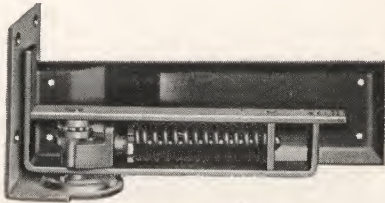
It is furnished with wrought brass floor, side, top and back plates in any plated finish.

Floor plate is slotted to allow adjustment for centering the door.

Spring tension is adjustable for doors of any weight. Frame is extra heavy and the hinge may be used with extremely heavy doors.

Top pivots are strong and have ample bearing.

This hinge is notable for its extreme smoothness in service, for its durability and the absence of any noise, when it is operated.



SC221 (Jamb Type)

SC221 (Steel)

Adjustable Floor Hinge for tile or concrete floors.

It is furnished with steel jamb, side, top and back plates in any plated finish.

Furnished with angle plate to fasten hinge to jamb instead of floor.

SC221-A (Wrought Brass)

Adjustable Floor Hinge for tile or concrete floors.

It is furnished with wrought brass side, top and back plates in any plated finish.

Furnished with angle plate to fasten hinge to jamb instead of floor.

Item Number	SIZE OF PLATES			Set in Box	Sets in Carton	Weight per Carton
	Side	Floor	Angle			
SC220	2 3/4" x 9 1/2"	4" x 3"		1	4	17
SC220-A	2 3/4" x 9 1/2"	4" x 3"		1	4	19
SC221	2 3/4" x 9 1/2"	2 7/8" x 3"	3" x 4 1/2"	1	4	17
SC221-A	2 3/4" x 9 1/2"	2 7/8" x 3"	3" x 4 1/2"	1	4	19

For list of finishes see Page 9.

Transom Catch Number SC137



(SC137 U. S. Govt. Type F1097)

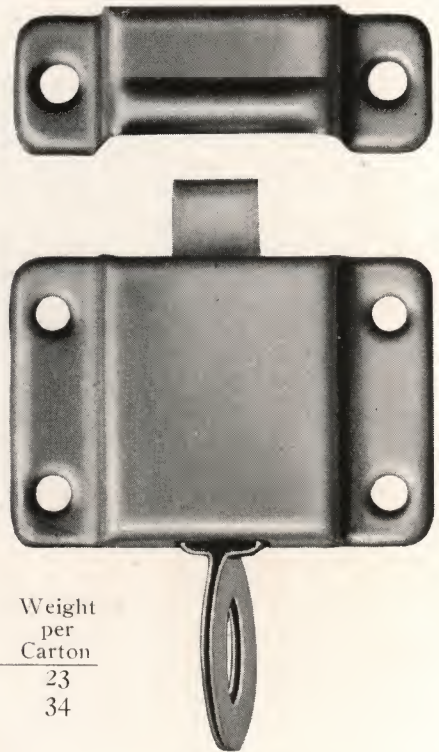
Made of cold rolled steel in all finishes, and furnished with, or without 18" chain and ring. With brass spring.

Catch will be furnished without chain if chain is not specified.

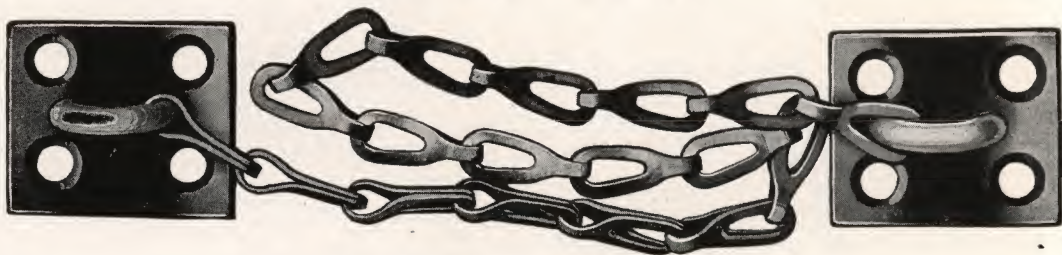
Packed one dozen in a box with screws and two strikes.

Item Number	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
SC137	6— $\frac{5}{8}$ x5 F.H.	1	10	23
SC137 with chains	6— $\frac{5}{8}$ x5 F.H.	1	10	34

For list of finishes see Page 9.



Transom Chains Number SC1370 Number SC1371



(SC1371 U. S. Govt. Type F1123)

Two sizes; 12 or 15 inches between plates. Number 1370 uses No. 8 sash chain, minimum tensile strength 250 lbs. tensile strength 620 lbs., conforming to Government specifications.

Number 1371 designed for heavy transoms uses No. 40 sash chain, minimum

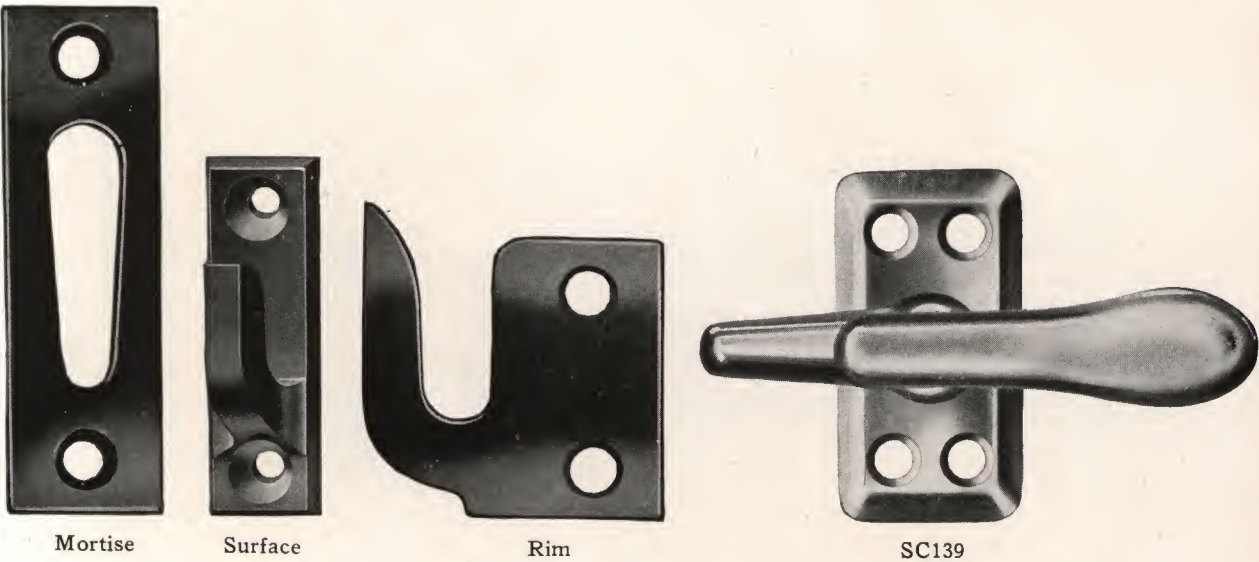
All plated finishes.

Packed one dozen in a box with screws.

Item Number	Size		Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
	Length of Chain	Plate Staple				
SC1370	12"	1 $\frac{3}{16}$ "x1"	8— $\frac{3}{4}$ x6 F.H.	1	10	15 $\frac{1}{2}$
SC1370	15"	1 $\frac{3}{16}$ "x1"	8— $\frac{3}{4}$ x6 F.H.	1	10	16 $\frac{1}{2}$
SC1371	12"	1 $\frac{5}{8}$ "x1 $\frac{3}{16}$ "	8— $\frac{3}{4}$ x7 F.H.	1	10	22
SC1371	15"	1 $\frac{5}{8}$ "x1 $\frac{3}{16}$ "	8— $\frac{3}{4}$ x7 F.H.	1	10	23

For list of finishes see Page 9.

Casement Window Fastener
Number SC139



(SC139 U. S. Govt. Type F1136)

A T-Handle Fastener, furnished in all finishes with either Rim, Mortise or Surface Strikes. Fastener with Rim Strike specify **R139**; with Mortise Strike, **M139**; with Surface Strike, **S139** and finish desired. If no strike is specified we will send Rim Strikes. Packed a single dozen in a box with screws.



Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
6— $\frac{3}{4}$ x6 F.H.	1	10	28½

For list of finishes see Page 9.

Flush Bolt
Number SC980

6" Size Only

Plated in any finish.

Packed one dozen in a box with screws.

Size Length of Plate	Width of Plate	Gauge of Metal	Extension	Bolt, Round Rod	Throw
6"	$\frac{3}{4}$ "	.083	1⅜"	$\frac{1}{4}$ "	1⅛"
Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton		
4— $\frac{3}{4}$ x6 F.H.	1	10	35		

For list of finishes see Page 9.

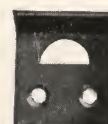
Wrought Steel Surface Bolts

Number SC981 (Steel) $\frac{1}{2}$ inch rod

Number SC983 (Steel) $\frac{3}{8}$ inch rod

(SC981 U. S. Govt. Type F1061)

(SC983 U. S. Govt. Type F1062)



Universal



Angle



Flat



One-half Actual Size 9-inch No. 981

Guides are so constructed as to prevent rod from marring the surface of the wood and finish being scraped off the rod.

Furnished with two guides, one universal strike, one angle strike, and one flat strike.

Packed one dozen in a box with screws.

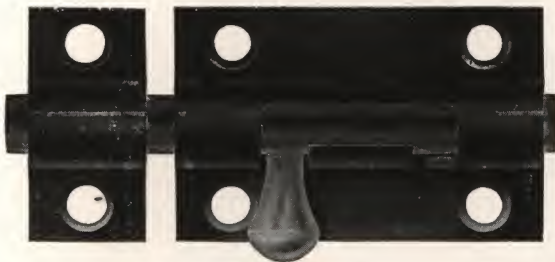
All finishes.

SC981 (Steel)				SC981-A (Wrought Brass)			
Size, Length of Rod	Rod, Half Round	Throw of Bolt	Size of Guide	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
4"	$\frac{1}{2}$ "	$1\frac{1}{4}$ "	1" x $1\frac{1}{2}$ "	6— $\frac{3}{4}$ x6 F.H.	1	10	36
6"	$\frac{1}{2}$ "	$1\frac{1}{4}$ "	1" x $1\frac{1}{2}$ "	6— $\frac{3}{4}$ x6 F.H.	1	10	41
9"	$\frac{1}{2}$ "	$1\frac{1}{4}$ "	1" x $1\frac{1}{2}$ "	6— $\frac{3}{4}$ x6 F.H.	1	5	26
12"	$\frac{1}{2}$ "	$1\frac{1}{4}$ "	1" x $1\frac{1}{2}$ "	6— $\frac{3}{4}$ x6 F.H.	1	5	31
18"	$\frac{1}{2}$ "	$1\frac{1}{4}$ "	1" x $1\frac{1}{2}$ "	6— $\frac{3}{4}$ x6 F.H.	1	5	42 $\frac{1}{2}$

SC983 (Steel)				SC983-A (Wrought Brass)			
Size, Length of Rod	Rod, Half Round	Throw of Bolt	Size of Guide	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
3"	$\frac{3}{8}$ "	$\frac{5}{8}$ "	$\frac{7}{8}$ " x $1\frac{9}{32}$ "	6— $\frac{5}{8}$ x5 F.H.	1	10	21
4"	$\frac{3}{8}$ "	$\frac{5}{8}$ "	$\frac{7}{8}$ " x $1\frac{9}{32}$ "	6— $\frac{5}{8}$ x5 F.H.	1	10	23 $\frac{1}{2}$
6"	$\frac{3}{8}$ "	$\frac{5}{8}$ "	$\frac{7}{8}$ " x $1\frac{9}{32}$ "	6— $\frac{5}{8}$ x5 F.H.	1	10	26
9"	$\frac{3}{8}$ "	$\frac{5}{8}$ "	$\frac{7}{8}$ " x $1\frac{9}{32}$ "	6— $\frac{5}{8}$ x5 F.H.	1	5	16

For list of finishes see Page 9.

Wrought Steel Barrel Bolts
Number SC990



Cut Actual Size of 3-inch
(SC990-J U. S. Govt. Type F1011)
(SG990-CD U. S. Govt. Type F1011-C)

Case made of one piece of steel. No riveting to come loose.

Barrel Bolts furnished in Japan, Zinc Plated or any plated finish. Japanned Bolts are furnished with brass plated knobs and zinc plated bolts.

Plated finishes packed with screws.

Furnished in Japan with screws when not otherwise specified.

Will pack Japan Bolts without screws when requested; specify No. 990.

Will furnish with mortise strike on special order. (Strike not shown)

Will be packed with the universal strike in place of the staple strike. Specify No. U990.

Size, Length of Bolt	Diameter of Bolt	Size of Plate	Gauge of Metal	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
2"	$\frac{5}{16}$ "	$1\frac{3}{8}$ "x $1\frac{3}{8}$ "	.050	6— $\frac{3}{4}$ x6 F.H.	1	25	40
2½"	$\frac{5}{16}$ "	$1\frac{3}{8}$ "x $1\frac{3}{4}$ "	.058	6— $\frac{3}{4}$ x6 F.H.	1	25	48
3"	$\frac{5}{16}$ "	$1\frac{3}{8}$ "x $2\frac{1}{4}$ "	.058	6— $\frac{3}{4}$ x6 F.H.	1	25	58
4"	$\frac{5}{16}$ "	$1\frac{3}{8}$ "x3"	.065	6— $\frac{3}{4}$ x6 F.H.	1	25	74
5"	$\frac{3}{8}$ "	$1\frac{7}{8}$ "x $3\frac{3}{4}$ "	.065	8— $\frac{3}{4}$ x7 F.H.	1	10	48
6"	$\frac{7}{16}$ "	$1\frac{11}{16}$ "x $4\frac{1}{2}$ "	.068	10— $\frac{3}{4}$ x7 F.H.	1	10	74
8"	$\frac{9}{16}$ "	$2\frac{1}{4}$ "x $6\frac{7}{8}$ "	.072	10—1 x8 F.H.	$\frac{1}{2}$	5	78

Universal strike made in four sizes and available packed separately one dozen in a box without screws.



Universal Strike
Numbers 990U
Nos. 1, 2, 3 and 4

Item Number	Bolt Size	Size of Strike	Quantity and Size of Screws Required, Each	Dz. in Box	Weight per Box
990U No. 1	2, 2½, 3 & 4	$1\frac{1}{4}$ "x $1\frac{1}{2}$ "	2— $\frac{3}{4}$ x6 F.H.	1	6 oz.
990U No. 2	5	$1\frac{3}{8}$ "x $1\frac{5}{8}$ "	2— $\frac{3}{4}$ x7 F.H.	1	8 oz.
990U No. 3	6	$1\frac{5}{8}$ "x $1\frac{11}{16}$ "	2— $\frac{3}{4}$ x7 F.H.	1	11 oz.
990U No. 4	8	$1\frac{5}{8}$ "x $1\frac{11}{16}$ "	2—1 x8 F.H.	1	11 oz.

Window Spring Bolts
Number 142(Steel)
Number 142A(Brass)



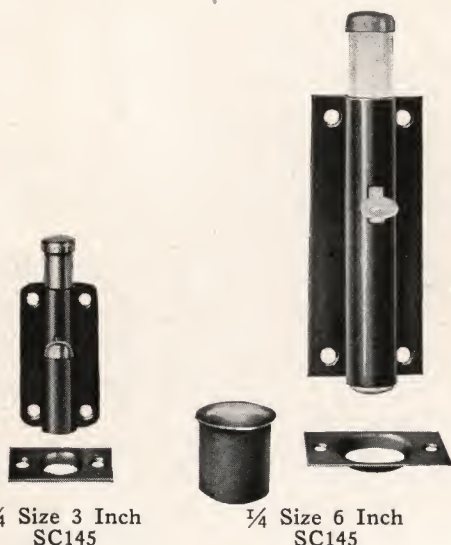
Cut Actual Size $3\frac{1}{4}$ Inch
Two Sizes $3\frac{1}{4}$ and $3\frac{3}{4}$ Inches Long

Designed to lock sash in closed or open position. Bolt plunger and case are steel, heavily zinc plated and spring is brass. This bolt also available with solid brass plunger and zinc metal case with brass spring, specify No. 142A.

When size is not specified will be furnished in $3\frac{1}{4}$ inch. Packed one half gross in a box.

Item Number	Size, Length of Bolt	Length of Case	Diameter of		Gr. in Box	Gr. in Carton	Weight per Carton
			Case	Bolt			
142	$3\frac{1}{4}$ "	$1\frac{7}{8}$ "	$\frac{3}{8}$ "	$\frac{5}{16}$ "	$\frac{1}{2}$	5	49
	$3\frac{3}{4}$ "	$1\frac{7}{8}$ "	$\frac{3}{8}$ "	$\frac{5}{16}$ "	$\frac{1}{2}$	5	56½
142A	$3\frac{1}{4}$ "	$1\frac{7}{8}$ "	$\frac{3}{8}$ "	$\frac{5}{16}$ "	$\frac{1}{2}$	5	54
	$3\frac{3}{4}$ "	$1\frac{7}{8}$ "	$\frac{3}{8}$ "	$\frac{5}{16}$ "	$\frac{1}{2}$	5	62

Spring Type Foot Bolts Number SC145



¾ Size 3 Inch
SC145

¾ Size 6 Inch
SC145

(SC145-J U. S. Govt. Type F1023-B)
(SC145-CD U. S. Govt. Type F1023-BC)

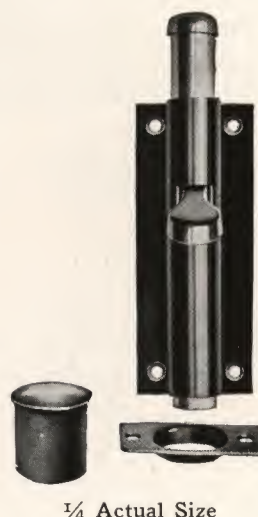
A wrought steel foot bolt of simple construction, will not get out of order. A single non-rusting Zinc Plated steel spring controls the action of the bolt.

Furnished in Japan when not specified, but can be had in any plated finish.

Six, eight and ten inch sizes are furnished with strikes for both wood and cement floors.

Packed one in a box with screws.

Friction Type Foot Bolt Number SC1145



¾ Actual Size

6" Size Only

Operated by pressure on cap and released by pressure on lever and held in any position by brass friction spring.

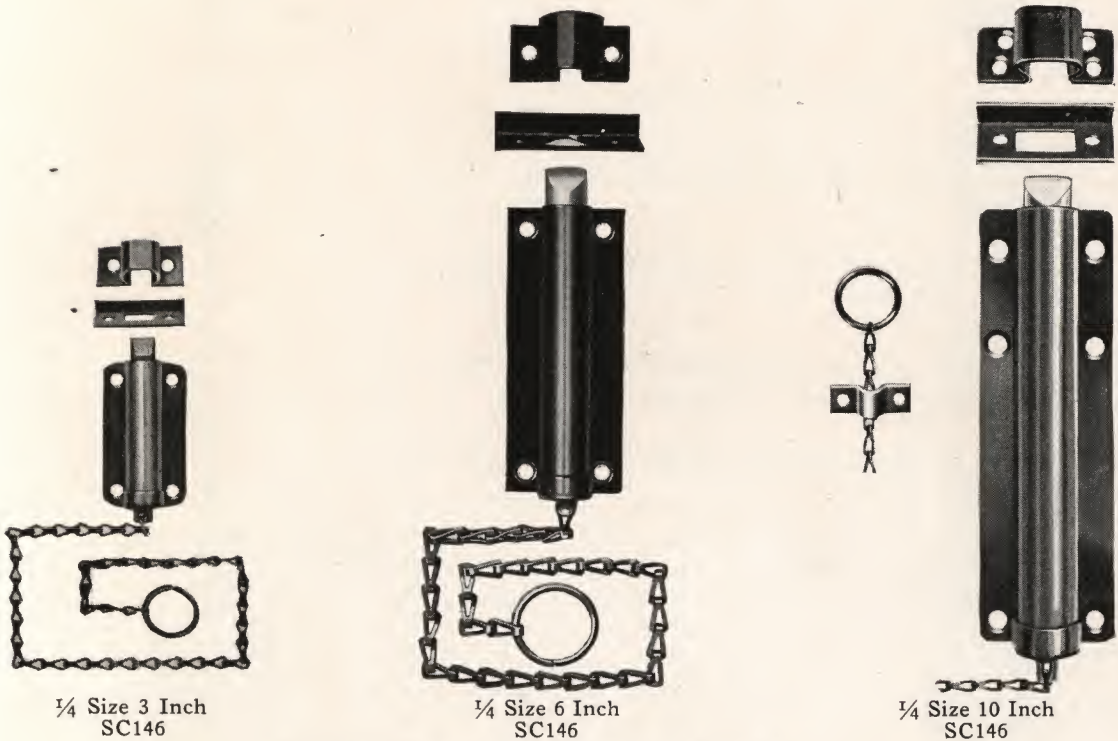
Furnished in Japan when not specified, but can be had in any plated finish, with strikes for both wood and cement floors.

Packed one in a box with screws.

Item Number	Size, Length of Bolt	Case	Gauge of Metal	Diam. of Bolt	Throw	Flat Strike	Quantity and Size of F.H. Screws, in Each	No. in Box	Dz. in Ctn.	Weight per Carton
SC145	3"	2½" x 1⅜"	.050	½"	⅞"	1" x 1¾"	6— ¾ x 6	1	2	7
	6"	5" x 2"	.065	¾"	1"	1⅝" x 2½"	6— ⅞ x 9	1	2	24
	8"	7" x 2¾"	.093	⅞"	1"	1½" x 2¾"	2— 1 x 10	1	1	22½
	10"	9" x 2¾"	.093	⅞"	1⅝"	1½" x 2¾"	4— 1¼ x 11	1	1	29
SC1145	6"	5" x 2"	.065	¾"	1"	1⅝" x 2½"	6— ⅞ x 9	1	2	25½

Chain Bolts

Number SC146



Sizes Three, Six, Eight, and Ten Inch

(SC146-J U. S. Govt. Type F1023-A)
(SC146-CD U. S. Govt. Type F1023-AC)

With exception of the bolt part, chain bolts are made entirely of wrought steel.

The chain bolts are equipped with strong chains and rings and are easily reversed by removing the cotter pin and turning the bolt.

Eight and ten inch sizes packed with chain guides.

Furnished in Japan when not specified but can be had in any plated finish.

Packed one in a box with screws, and two strikes; surface strike for doors opening in, angle strike for doors opening out.

Size, Length of Bolt	Case	Gauge of Metal	Diameter of Nose	Length of Chain	Throw
3"	2½"x1⅜"	.050	⅜"	24"	⅜"
6"	5" x2"	.065	¾"	24"	⅝"
8"	7" x2¾"	.093	⅞"	28"	¾"
10"	9" x2¾"	.093	⅞"	48"	¾"

Strikes		Quantity and Size of Screws, Each	No. in Box	Dz. in Carton	Weight per Carton
Angle	Staple				
¾"x1½"	¾"x1½"	6— ¾x 6 F.H.	1	2	9
1" x2½"	1" x2⅞"	6— ⅞x 9 F.H.	1	2	26
1⅜" x2½"	1¼"x2¾"	10—1¼x11 F.H.	1	1	26
1⅜" x2½"	1¼"x2¾"	10—1¼x11 F.H.	1	1	30½

Good Hardware since 1876

Garage Cremone Bolt Number SC952

Japan or Zinc Plated

Japan will be furnished when finish is not specified. In Japanned finish, rods and cement strike are Zinc Plated.

With one-half turn of lever, door is locked or unlocked at both top and bottom.

Bolt and lock are so constructed that door cannot be locked or unlocked except by turning lever.

Regularly furnished for doors from seven to nine foot high.

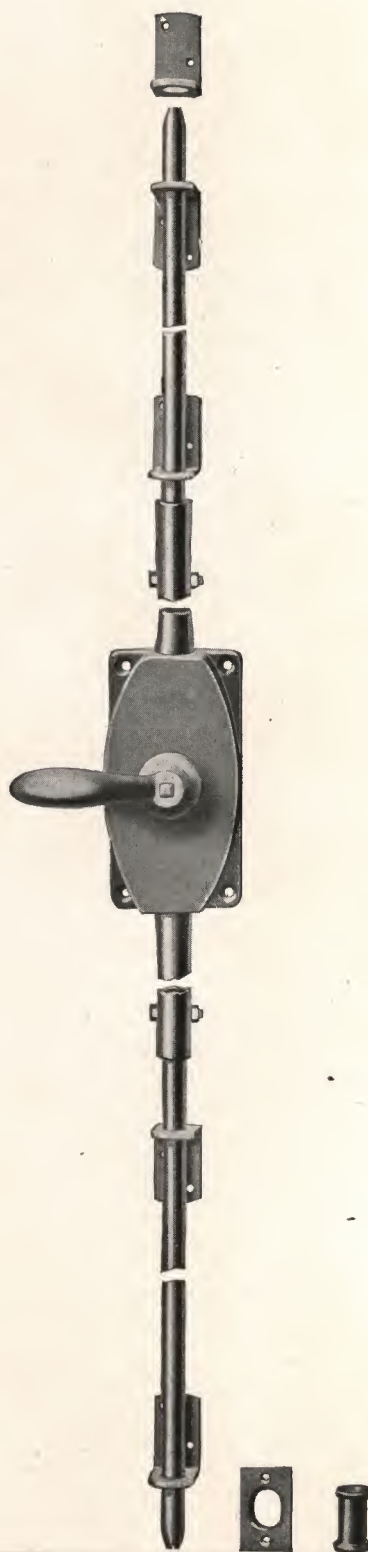
Extensions can be furnished for higher doors. When ordering specify height of door. Two foot adjustment range.

	Inches
Lock Case	7x3 $\frac{3}{8}$
Length of Handle	7
Diameter of Rod	$\frac{5}{8}$
Size of Top and Bottom Guide	2x1 $\frac{1}{4}$ x1 $\frac{3}{4}$
Size of Center Guide	2x1 $\frac{1}{4}$ x1 $\frac{3}{4}$
Throw (Top and Bottom)	1 $\frac{1}{4}$

Handle can be furnished for outside of door on special order.

Packed one set in a carton with screws.

Quantity and Size of Screws, Each	Set in Carton	Weight per Carton
10—1 x10 R.H.	1	16
2— $\frac{7}{8}$ x 9 F.H.		
4—1 $\frac{1}{2}$ x12 F.H.		



Garage Cremone Bolt
Number SC960

(SC960-J U. S. Govt. Type F1029)

Japan or Zinc Plated

Japan will be furnished when finish is not specified. In Japanned finish, rods and cement strike are Zinc Plated.

With one-half turn of lever, door is locked or unlocked at both top and bottom.

Bolt and lock are so constructed that door cannot be locked or unlocked except by turning lever.

Regularly furnished for doors from eight and one-half to nine foot high.

Extensions can be furnished for higher doors. When ordering specify height of door. Six inch adjustment range.

	Inches
Lock Case	19x3¼
Length of Handle	7
Diameter of Rod	5⁄8
Size of Top and Bottom Guide	4⅛x2⅝
Size of Center Guide	2⅜x2⅝
Throw (Top and Bottom)	1½

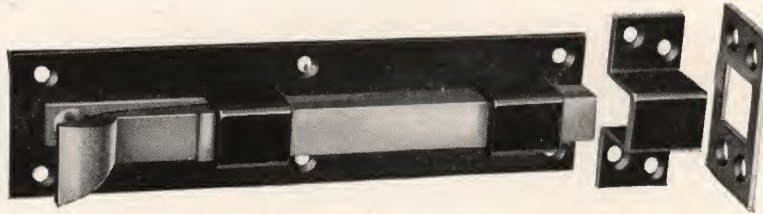
Handle can be furnished for outside of door on special order.
Packed one set in a carton with screws.

Quantity and Size of Screws, Each	Set in Carton	Weight per Carton
2— 7⁄8x 9 F.H.	1	15
6—1½x12 F.H.		
24—1¼x12 F.H.		



Heavy Square Spring Bolt

Number SC986



Wrought Steel
Japanned

8" size only. The bolt part is Zinc Plated;
Case is Japanned.

Packed one in a box with two strikes and
screws.

Size of Case		Gauge of Metal	Size of Bolt	Size of Strike		Quantity and Size of Screws, Each	No. in Box	Dz. in Carton	Weight per Carton
Length	Width			Flat	Surface				
8"	2"	.093	5/8"	2 1/4" x 1 9/16"	2 1 1/8" x 1"	10—1x9 F.H.	1	1	19

Cane Bolt

Number SC1450

(SC1450-J U. S. Govt. Type F1051)

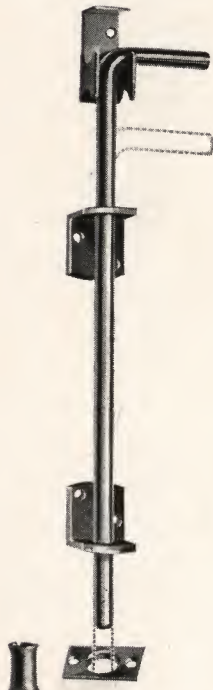
Made of 5/8-inch steel rod in three sizes: 12, 18 and 24 inches.

Bolt is designed to be used on the top or side of garage or warehouse doors as well as on the bottom, and may be used as a garage door holder.

As shown in illustration, when bolt is on the bottom of the door, bolt drops by gravity when lifted out of socket and when on top or side of the door it is pushed and locked in position.

Furnished in Japan and Zinc Plated finishes, with strikes for both wood and cement floors. Japan will be furnished when finish is not specified. In Japanned finish, rod and cement strike are Zinc Plated; guides, holder and wood strike are Japanned.

Packed two in a box complete with screws.



Size of Bolt		Size of Guide	Gauge of Metal	Size of Flat Strike	Gauge of Metal
Length	Diameter				
12"	5/8"	2" x 1 3/4" x 1 1/2"	.065	1 3/8" x 2 1/4"	.165
18"	5/8"	2" x 1 3/4" x 1 1/2"	.065	1 3/8" x 2 1/4"	.165
24"	5/8"	2" x 1 3/4" x 1 1/2"	.065	1 3/8" x 2 1/4"	.165
Size, Length	Quantity and Size of Screws, Each		No. in Box	No. in Carton	Weight per Carton
12"	4—1 x10 R.H.		2 only	1 Dz.	28
	4—7/8x 9 F.H.				
18"	4—1 x10 R.H.		2 only	1 Dz.	35
	4—7/8x 9 F.H.				
24"	4—1 x10 R.H.		2 only	1 Dz.	41
	4—7/8x 9 F.H.				

Wrought Steel Mending Plate

Number 129

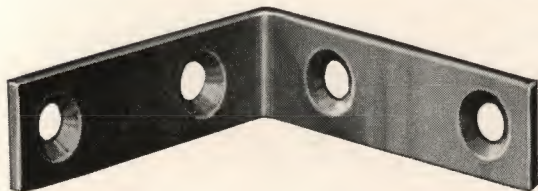


Bright Steel or Zinc Plated. Bright Steel will be furnished when finish is not specified. Six inch and smaller are packed 2 dozen in a box without screws; larger sizes 1 dozen in a box without screws.

Size, Length	Width	Gauge of Metal	Quantity and Size of Screws Required, Each	Dz. in Box	Gr. in Carton	Weight per Carton
2"	5/8"	.072	2— 3/4x 6	2	10	39 1/4
2 1/2"	5/8"	.083	4— 3/4x 6	2	10	54
3"	3/4"	.095	4— 3/4x 7	2	5	39
3 1/2"	3/4"	.095	4— 3/4x 7	2	5	47 1/2
4"	7/8"	.109	4— 3/4x 8	2	2	28
5"	1"	.109	4—1 x 8	2	2	42
6"	1 1/8"	.120	4—1 x 8	2	2	63
8"	1 1/4"	3/16	6—1 1/4x11	1	1/2	37
10"	1 1/4"	3/16	6—1 1/2x12	1	1/4	23
12"	1 1/4"	3/16	6—1 1/2x12	1	1/4	28

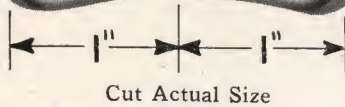
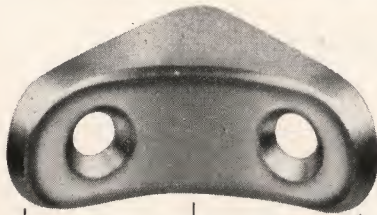
Wrought Steel Corner Brace

Number 130



Bright Steel or Zinc Plated. Bright Steel will be furnished when finish is not specified. Four inch and smaller are packed 2 dozen in a box without screws; larger sizes 1 dozen in a box without screws.

Size, Length of Sides	Width	Gauge of Metal	Quantity and Size of Screws Required, Each	Dz. in Box	Gr. in Carton	Weight per Carton
1"	1/2"	.083	2— 3/4x 6	2	5	16 1/2
1 1/2"	5/8"	.109	4— 3/4x 7	2	5	39
2"	5/8"	.109	4— 3/4x 7	2	5	61
2 1/2"	5/8"	.120	4— 3/4x 7	2	2	32
3"	3/4"	.130	4—1 x 9	2	2	48
3 1/2"	3/4"	.134	4—1 x 9	2	2	57
4"	7/8"	3/16	4—1 x 9	2	1	59
5"	1"	3/16	6—1 1/4x11	1	1/2	36
6"	1 1/8"	3/16	6—1 1/4x11	1	1/2	53
8"	1 1/4"	3/16	6—1 1/4x11	1	1/4	39
10"	1 1/4"	3/16	6—1 1/4x11	1	1/4	47
12"	1 1/4"	3/16	6—1 1/4x11	1	1/4	56 1/2



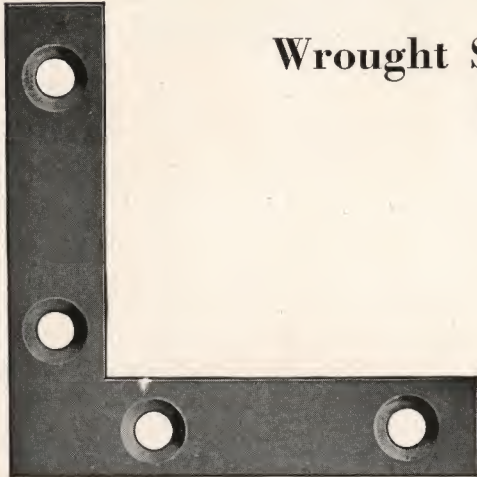
Cut Actual Size

Wrought Steel Corner Brace

Number 130 $\frac{1}{2}$ -CD

Furnished in Zinc Plated finish only.
Packed two dozen in a box without screws.

Size	Width	Gauge of Metal	Quantity and Size of Screws Required, Each	Dz. in Box	Gr. in Carton	Weight per Carton
1"x1"	$\frac{3}{4}$ "	.035	2—1x8 F.H.	2	5	26



Wrought Steel Flat Corner Iron

Number 131

Bright Steel or Zinc Plated. Bright Steel will be furnished when finish is not specified. Five inch and smaller are packed 2 dozen in a box without screws; six inch 1 dozen in a box without screws.

Size, Length of Sides	Width	Gauge of Metal	Quantity and Size of Screws Required, Each	Dz. in Box	Gr. in Carton	Weight per Carton
1 $\frac{1}{2}$ "	$\frac{3}{8}$ "	.065	4— $\frac{5}{8}$ x5	2	10	25
2"	$\frac{3}{8}$ "	.072	4— $\frac{3}{4}$ x6	2	5	23
2 $\frac{1}{2}$ "	$\frac{3}{8}$ "	.072	4— $\frac{3}{4}$ x6	2	5	31
3"	$\frac{5}{8}$ "	.072	4— $\frac{3}{4}$ x6	2	5	50
3 $\frac{1}{2}$ "	$\frac{3}{4}$ "	.083	4—1 x8	2	2	36
4"	$\frac{7}{8}$ "	.083	4—1 x9	2	2	42
5"	$\frac{7}{8}$ "	.095	4—1 x9	2	1	28
6"	1"	.095	6—1 x9	1	1	34

Wrought Steel Outside Corner Iron

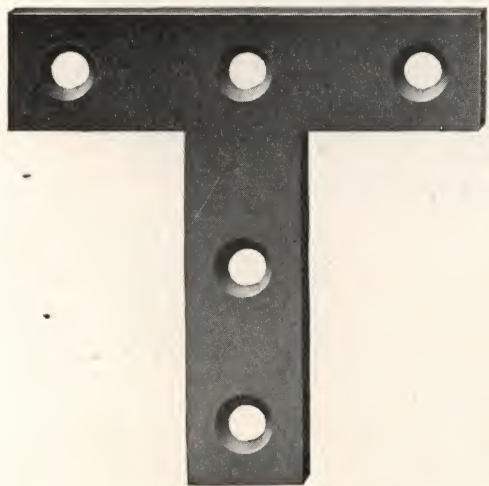
Number 132



Bright Steel or Zinc Plated. Bright Steel will be furnished when finish is not specified. Packed 2 dozen in a box without screws.

Size, Length of Sides	Width	Gauge of Metal	Quantity and Size of Screws Required, Each	Dz. in Box	Gr. in Carton	Weight per Carton
4 $\frac{1}{2}$ "	$\frac{3}{4}$ "	.109	4—1x9	2	1	33
4 $\frac{1}{2}$ "	$\frac{7}{8}$ "	.109	4—1x9	2	1	37
4 $\frac{1}{2}$ "	1"	.109	4—1x9	2	1	41
4 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	.109	4—1x9	2	$\frac{1}{2}$	32
4 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	.120	4—1x9	2	$\frac{1}{2}$	34

Wrought Steel "T" Plates
Number 128



Bright Steel or Zinc Plated. Bright Steel will be furnished when finish is not specified. Packed 2 dozen in a box without screws.

Size, Length of Sides	Width	Quantity and Size of Screws Required, Each	Dz. in Box	Gr. in Carton	Weight per Carton
3"x3"	3/4"	5—1x8	2	2	30
4"x4"	3/4"	5—1x8	2	2	41

Plate Staples

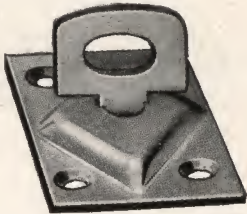


Bright Steel
Packed in cartons without screws.

Item Number	Size	Gauge of Metal	Projection of Staple	For Hasps	Quantity and Size of Screws Required, Each	Dz. in Carton	Weight per Carton
901	1 3/8"x1"	.072	5/8"	2 1/2"	4— 3/4x 6 F.H.	50	18
902	1 5/8"x1 3/8"	.072	7/8"	3", 3 1/2" & 4 1/2"	4— 3/4x 8 F.H.	20	14
903	2 1/4"x1 3/8"	.083	1"	6", 8" & 10"	4— 7/8x 9 F.H.	10	12
904	2 1/4"x1 3/4"	.165	1 1/8"	Nos. 118 & 1118	4—1 1/4x11 F.H.	10	28
905	2 3/4"x2 1/2"	.120	1 1/8"	12"	4—1 1/4x11 F.H.	10	36 1/2
906	2 1/2"x2 1/2"	.187	1 1/8"	7", No. 119	4—1 1/4x11 F.H.	10	52 1/2

Swivel Plate Staples

Bright Steel
Packed in cartons without screws.



Item Number	Size	Gauge of Metal	Projection of Staple	For Hasps	Quantity and Size of Screws Required, Each	Dz. in Carton	Weight per Carton
907	1 1/2"x1 1/2"	.065	7/8"	3 1/2", 4 1/2" & 6"	4— 3/4x8 F.H.	15	15

Number SC100 Gravity Hasp



8-inch Size Only

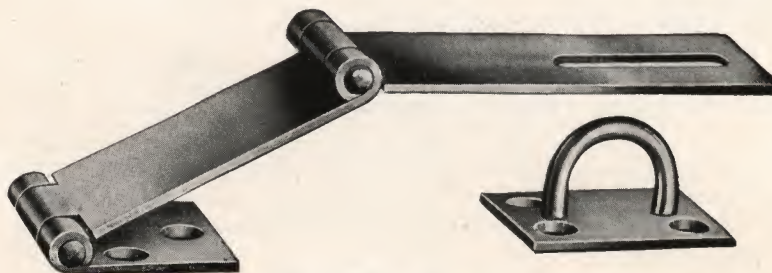
Bright Steel

A popular hasp because it is simple to operate and securely fastens the door. A padlock may be attached. The hasp is for either right or left hand doors and is easily

operated with one hand. Packed one dozen in a box with $2\frac{1}{2}$ " staple and one plate staple with each hasp and screws.

Size of Hasp	Size of Staple	Plate Staple, Number	Width of Hasp	Gauge of Metal, Hasp	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
8"	$2\frac{1}{2}$ "	902	1"x2"	.095	4— $\frac{3}{4}$ x8	1	10	47

Safety Chest Hasp Number SC117



With Plate Staples

This double hinge safety hasp is for use on lockers, tool boxes, etc. All the screws are concealed when the hasp is locked.

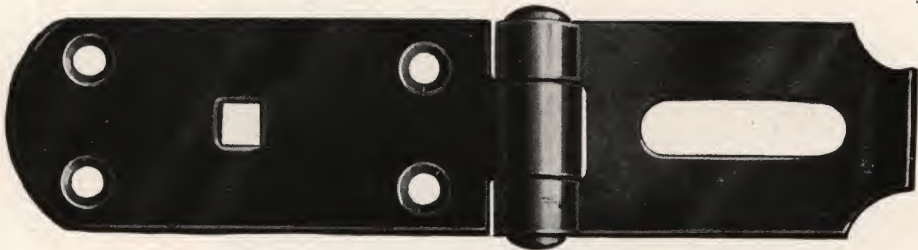
Made of Cold Rolled Steel in two sizes, $3\frac{1}{2}$ " and $4\frac{1}{2}$ ", measurements from center of joint to end of strap.

Bright Steel or Zinc Plated. Bright Steel will be furnished when finish is not specified.

Packed one dozen in a box with plate staples and screws.

Size of End Strap	Width of Hasp	Gauge of Metal, Hasp	Plate Staple, Number	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
$3\frac{1}{2}$ "	$1\frac{1}{2}$ "	.072	902	7— $\frac{3}{4}$ x8	1	6	$29\frac{1}{2}$
$4\frac{1}{2}$ "	$1\frac{1}{2}$ "	.083	902	7— $\frac{3}{4}$ x8	1	6	35

Wrought Extra Heavy Hinge Hasp
Number 118
With Plate Staples



(SC118-HGBP U. S. Govt. Type F1403)
(SC118-CD U. S. Govt. Type F1403-C)
(SC118-Brt. U. S. Govt. Type F1403-E)

A good, heavy, practical hasp, for use in all places where an ordinary hinge hasp is unsuitable. The holes in the plate staples are not accessible when door is locked and the insertion of a carriage bolt in the square hole provided, with nut inside the door will effectually prevent the removal of the hasp from the outside.

Furnished in Bright Steel, Japan, Zinc Plated or Hot Galvanized with brass pin.

The bright steel hasps are packed one-half dozen in a box without screws, specify **No. 118**. Bright Steel, Japanned, Zinc Plated and Hot Galvanized with brass pin are packed one in a box with screws, specify **SC118** and finish desired.

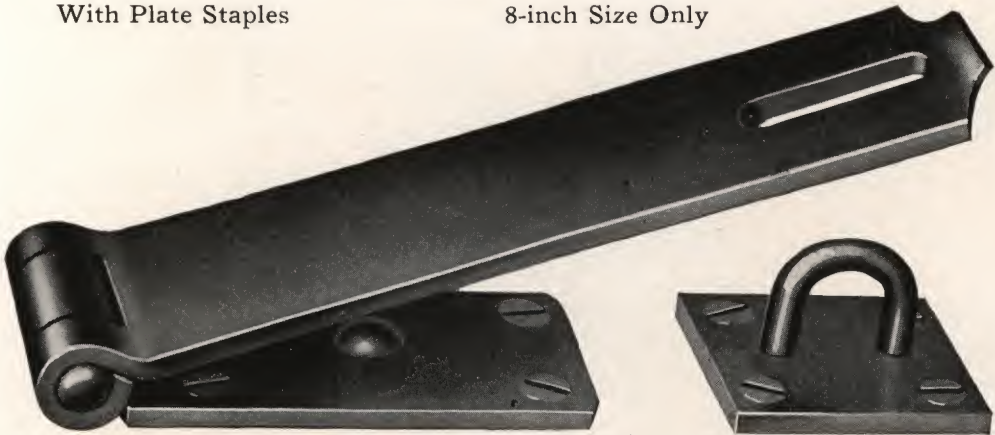


Item Number	Overall Length	Size, Length of Slotted Hinge Part		Width of Hasp	Gauge of Metal, Hasp	Plate Staple, Number	Quantity and Size of Screws, Each	No. in Box	No. in Carton	Weight per Carton
118	7½"	3"	4½"	1¾"	.165	904		½ Dz.	3 Dz.	38
SC118	7½"	3"	4½"	1¾"	.165	904	8—1¼x11	1 only	25 only	27½

Extra Heavy Safety Hinge Hasp
Number 1118

With Plate Staples

8-inch Size Only



An extra heavy safety hinge hasp made of steel 1¾ inches wide and 8 inches in length from joint. All holes are concealed when door is locked.

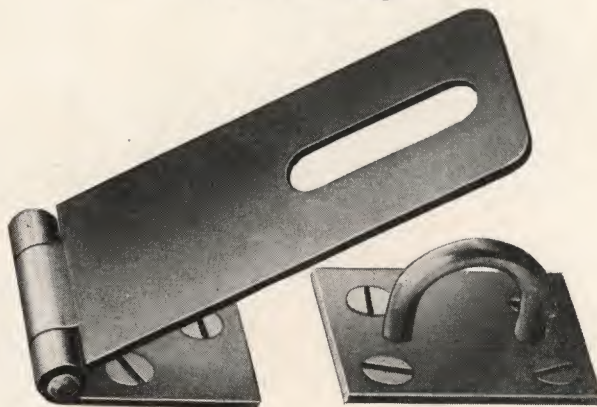
Furnished in Bright Steel, Japan, Zinc Plated or Hot Galvanized with brass pin.

The bright steel hasps are packed one-half dozen in a box without screws, specify **No. 1118**. Bright Steel, Japanned, Zinc Plated and Hot Galvanized with brass pin are packed one in a box with screws, specify **SC1118** and finish desired.

Item Number	Size, Length of Slotted Hinge Part		Width of Hasp	Gauge of Metal, Hasp	Plate Staple, Number	Quantity and Size of Screws, Each	No. in Box	No. in Carton	Weight per Carton
1118	8"	4½"	1¾"	.165	904		½ Dz.	3 Dz.	49
SC1118	8"	4½"	1¾"	.165	904	8—1¼x11	1 only	25 only	42

Safety Hasp Number 119

With Plate Staples



The staple hole is made extra large to allow for shrinking of door without re-setting staple. Can be used as a regular hinge hasp by reversing. Horizontal hole keeps the full strength of the steel where a vertical hole leaves little material at the top and bottom. Made of the best quality cold rolled steel. Five sizes: 2½, 3½, 4½, 6 and 7 inch. Furnished in bright steel packed one dozen in a box with plate staple

without screws, specify **No. 119**. Furnished in Bright Steel, Japan, Zinc Plated and Hot Galvanized with Brass Pin packed one in a box with plate staples and screws, specify **SC119** and finish desired. 2½" size also furnished in Dull Brass Finish. Bright Steel will be furnished when finish is not specified. **Size 2½" available in Wrought Brass, specify SC119-A.**

—Size, Length of—		Width of Hasp	Gauge of Metal, Hasp	Plate Staple, Number	Screw Holes in Each	Size of Screw, Number	Dz. in Box	Dz. in Carton	Weight per Carton
Slotted Part	Hinge Part								
2½"	1⅞"	1"	.065	901	7	6	1	24	31
3½"	1¾"	1½"	.072	902	7	8	1	12	33
4½"	2"	1½"	.083	902	7	8	1	12	48
6"	2⅞"	1¾"	.095	903	9	9	1	6	41
7"	2⅞"	2½"	.165	906	9	11	1	2	42

SC119

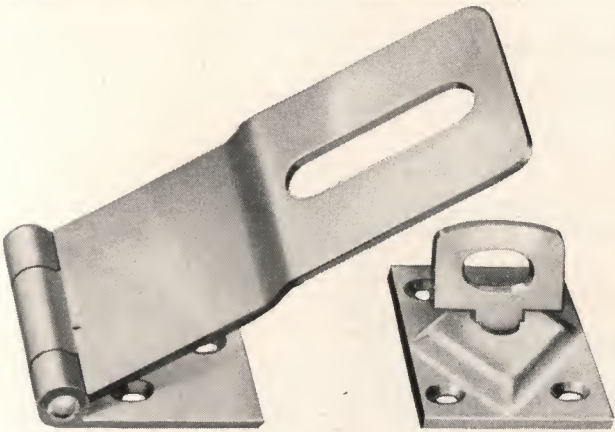
Packed one in a box with screws.

(SC119-HGBP U. S. Govt. Type F1405)

(SC119-CD U. S. Govt. Type F1405-C)

(SC119-Brt. U. S. Govt. Type F1405-E)

Size	Quantity and Size of Screws, Each	Number in Box	Number in Carton	Weight per Carton
2½"	7— ¾x 6	1	100	15
3½"	7— ¾x 8	1	100	27
4½"	7— ¾x 8	1	50	20
6"	9— ⅞x 9	1	25	16
7"	9— 1¼x11	1	25	48



Safety Hasp
Number 1119

With Swivel Plate Staples

The same Hasp as No. 119 specified on opposite page except with an offset and a swivel Plate Staple. Three sizes: 3½, 4½ and 6 inch. Furnished in Bright Steel packed one dozen in a box with swivel plate staple without screws, specify **No. 1119**. Furnished in Bright Steel, Japan and Zinc Plated packed one in a box with swivel plate staple and screws, specify **SC1119** and finish desired. Bright Steel will be furnished when finish is not specified.

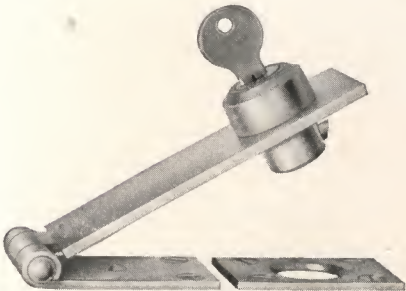
Size, Length of Slotted Part Hinge Part		Width of Hasp	Gauge of Metal, Hasp	Plate Staple Number	Screw Holes in Each	Size of Screw No.	Dz. in Box	Dz. in Carton	Weight per Carton
3½"	1¼"	1½"	.072	907	7	8	1	12	33
4½"	2"	1½"	.083	907	7	8	1	12	48
6"	2⅞"	1¾"	.095	907	9	9	1	6	40

SC1119

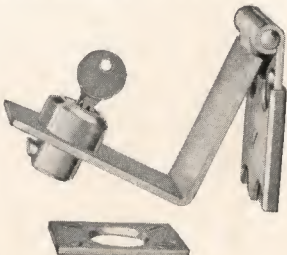
Packed one in a box with screws.

Size	Quantity and Size of Screws, Each	Number in Box	Number in Carton	Weight per Carton
3½"	7—¾x8	1	100	27
4½"	7—¾x8	1	50	20
6"	9—⅞x9	1	25	15

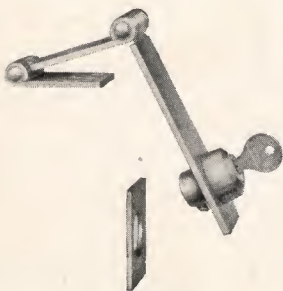
Hinge Lock
Number 419



SC419



B419



DJ419

These hinge hasps have a five tumbler cylinder lock attached and will snap into strike when closed. Made in three styles as illustrated above. Packed one in a box with screws and two keys.

SC419

This hasp lock of the flush type is made in two sizes: 4½ and 6 inches. The larger size has the new self-adjusting plate (as shown in B419 illustration) which compensates for any ordinary door sag or warp so that the lock will always "Snap Shut" without forcing fastenings or weakening the wood structure of the door. The 4½-inch size does not have this feature.

B419

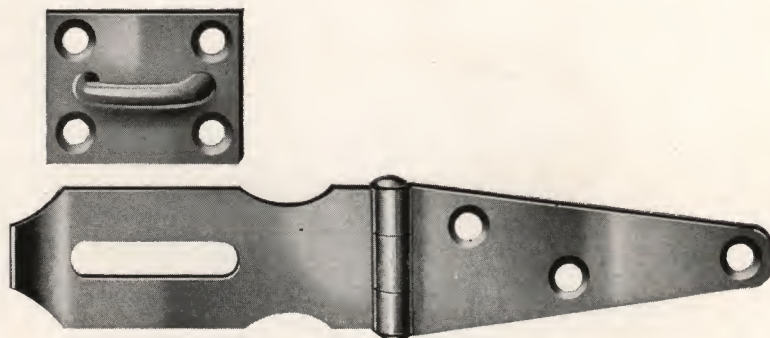
The inside corner model is for use with sliding and offset doors. It is made in the 6-inch size only and is self-adjusting. Size is measured from center of joint to end of hinge. Bend is three inches from end of hinge.

DJ419

This hasp lock, known as the double-jointed outside corner model is designed for use on chest cases, etc. It is made only in the 4½-inch size. Size is measured from center of first joint to end of hinge. Connecting strip between two joints measures 2½ inches from center of joint to center of joint.

Item Number	Size, Length of— Strap Hinge Part		Width of Strap	Quantity and Size of Screws, Each	Each in Box	Dz. in Carton	Weight per Carton
SC419	4½"	2¼"	1¾"	7—1x9 F.H.	1	1	10½
	6"	2⅞"	1¾"	8—1x9 F.H.	1	1	13½
B419	6"	2⅞"	1¾"	9—1x9 F.H.	1	1	13½
DJ419	4½"	1¾"	1¾"	7—1x9 F.H.	1	1	12½

Common Hinge Hasps Number 932



Cut $\frac{2}{3}$ of 3" Size

(SC932-HGBP U. S. Govt. Type F1401)

(SC932-CD U. S. Govt. Type F1401-C)

(SC932-Brt U. S. Govt. Type F1401-E)

Regularly packed in boxes without screws as listed.

Furnished in Bright Steel, Japan, Zinc Plated and Hot Galvanized with Brass Pin.

When desired packed with screws, specify SC932 (See below).

When finish is not specified Bright Steel will be sent.

Length of Strap	Length of Slotted Part	Width of Strap at Joint	Gauge of Metal, Hasp	Plate Staple, Number	Screw Holes in Each	Size of Screw, Number	Dz. in Box	Dz. in Carton	Weight per Carton
3"	2 $\frac{7}{8}$ "	1 $\frac{1}{8}$ "	.068	902	7	7	1	25	53
4 $\frac{1}{2}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	.078	902	8	7	1	20	71
6"	3 $\frac{7}{8}$ "	1 $\frac{5}{8}$ "	.095	903	8	9	1	10	51
8"	4 $\frac{1}{4}$ "	1 $\frac{7}{8}$ "	.100	903	8	10	$\frac{1}{2}$	5	40
10"	4 $\frac{3}{8}$ "	2 $\frac{1}{8}$ "	.109	903	8	10	$\frac{1}{2}$	3	30
12"	6 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	.120	905	8	12	$\frac{1}{2}$	2	43

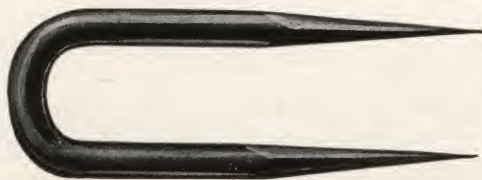
SC932

Packed one in a box with screws.

Length of Strap	Length of Slotted Part	Width of Strap at Joint	Gauge of Metal, Hasp	Plate Staple, Number	Quantity and Size of Screws, Each	No. in Box	No. in Carton	Weight per Carton
3"	2 $\frac{7}{8}$ "	1 $\frac{1}{8}$ "	.068	902	7— $\frac{3}{4}$ x 7	1	100	23
4 $\frac{1}{2}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	.078	902	8— $\frac{3}{4}$ x 7	1	50	16
6"	3 $\frac{7}{8}$ "	1 $\frac{5}{8}$ "	.095	903	8— $\frac{7}{8}$ x 9	1	25	14
8"	4 $\frac{1}{4}$ "	1 $\frac{7}{8}$ "	.100	903	8—1 x10	1	25	20
10"	4 $\frac{3}{8}$ "	2 $\frac{1}{8}$ "	.109	903	8—1 x10	1	25	26
12"	6 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	.120	905	8—1 $\frac{1}{2}$ x12	1	10	21

Common Wrought Staples

Number 1976



Bright Wire and Zinc Plated. Sizes 1" to 3" packed one gross in a box. Sizes 3½" and 4" packed one-half gross in a box. Furnished in bright wire when finish not specified.

Size, Length	Spread	Gauge of Wire	Gr. in Box	Gr. in Carton	Weight Per Carton
1"	$\frac{5}{16}$ "	.123	1	20	19½
1¼"	$\frac{5}{16}$ "	.123	1	20	22
1½"	$\frac{3}{8}$ "	.145	1	20	37½
1¾"	$\frac{3}{8}$ "	.145	1	20	42½
2"	$\frac{7}{16}$ "	.159	1	20	61
2½"	$\frac{9}{16}$ "	.169	1	10	42½
3"	$\frac{5}{8}$ "	.187	1	5	32
3½"	$\frac{5}{8}$ "	.187	½	5	38
4"	$\frac{3}{4}$ "	.210	½	5	55¼

Wire Hook with Plate Staples

Number 121



Made from extra heavy wire; one size only—5" ($\frac{5}{16}$ x 5"). Packed one-quarter gross to a box. Bright Steel without screws; specify No. 121. Zinc Plated with screws, specify SC121-CD.

Size, Length of Hook	Gauge of Wire (Hook)	Plate Staple, Number	Quantity and Size of Screws, Each	Gr. in Box	Gr. in Carton	Weight per Carton
5"	$\frac{5}{16}$ "	903	8— $\frac{7}{8}$ x 9	¼	½	24

Wrought Square Hooks and Staples Number 1972

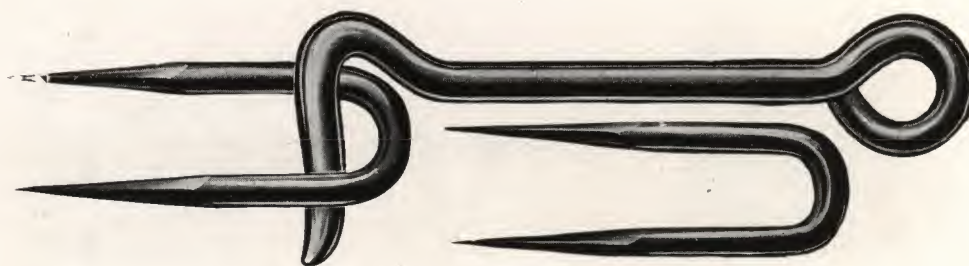
Diamond Pattern



Bright wire. Packed one-quarter gross in a box with staples.

Size, Length of Hook	Staple	Diameter Wire	Gr. in Box	Gr. in Carton	Weight per Carton
4"	2"	$\frac{7}{32}$ "	$\frac{1}{4}$	2	35
5"	2½"	$\frac{7}{32}$ "	$\frac{1}{4}$	2	46
6"	2½"	$\frac{1}{4}$ "	$\frac{1}{4}$	2	57

Round Wire Hooks and Staples Number 1974



Bright wire. Packed one-quarter gross in a box with staples.

Size, Length of Hook	Staple	Diameter Wire	Gr. in Box	Gr. in Carton	Weight per Carton
4"	2"	$\frac{1}{4}$ "	$\frac{1}{4}$	2	37½
5"	2½"	$\frac{5}{16}$ "	$\frac{1}{4}$	2	64
6"	2½"	$\frac{5}{16}$ "	$\frac{1}{4}$	2	70

Wrought Hasp and Staples

Number 1980

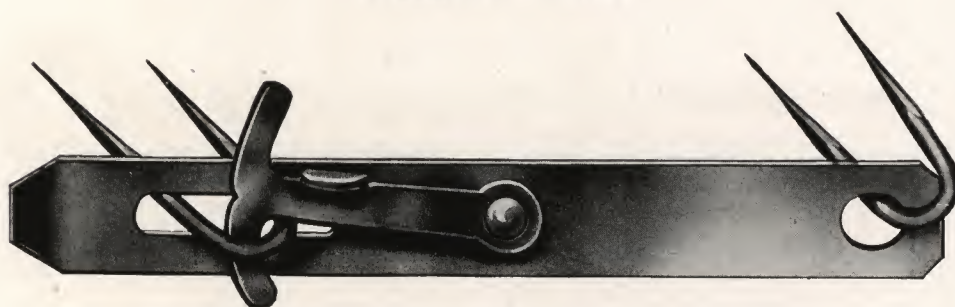


Bright Steel. Packed one dozen in a box with staples.

Size of Hasp Length	Width	Gauge of Metal	Size of Staples	Dz. in Box	Dz. in Carton	Weight per Carton
4"	$\frac{7}{8}$ "	.095	2"	1	20	36
5"	$\frac{7}{8}$ "	.095	2"	1	20	41
6"	$\frac{7}{8}$ "	.109	2"	1	10	24
8"	1"	.109	2½"	1	10	36
10"	1½"	.120	2½"	1	5	25
12"	1¾"	.120	2½"	1	5	28

Wrought Hasp Hook and Staples

Number 1982

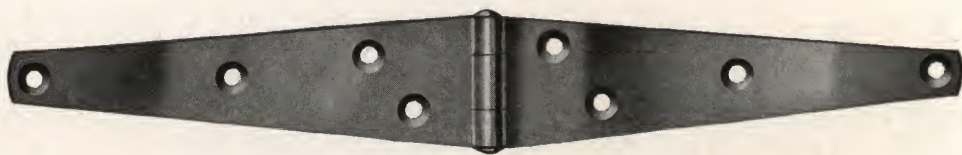


Bright Steel. Packed one dozen in a box with staples.

Size of Hasp Length	Width	Gauge of Metal	Size of Staples	Dz. in Box	Dz. in Carton	Weight per Carton
5"	$\frac{7}{8}$ "	.095	2"	1	20	46
6"	$\frac{7}{8}$ "	.109	2"	1	10	29
8"	1"	.109	2½"	1	10	43
10"	1½"	.120	2½"	1	5	28

Wrought Steel Light Strap Hinges

Number 920



Cut $\frac{1}{2}$ of 5" Size

Regularly packed in cartons without screws as listed.

Furnished in Bright Steel, Zinc Plated and Hot Galvanized with Brass Pin. 2" and 3" sizes also furnished in Dull Brass Finish.

Bright Steel will be furnished when finish is not specified.

When desired packed with screws, specify SC920. (See list below.) Sizes 2" and 3" available in Wrought Brass, specify SC920-A.

Length Closed	Width of Strap at Joint	Gauge of Metal	Screw Holes in Each	Size of Screw, Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
2"	1"	.058	6	5	1	25	34
3"	1 $\frac{1}{4}$ "	.068	6	6	1	25	68
4"	1 $\frac{1}{4}$ "	.072	6	7	1	20	83
5"	1 $\frac{5}{8}$ "	.083	8	8	$\frac{1}{2}$	10	61
6"	1 $\frac{11}{8}$ "	.095	8	9	$\frac{1}{2}$	6	56
8"	1 $\frac{7}{8}$ "	.100	8	10	$\frac{1}{2}$	3	45
10"	2 $\frac{1}{8}$ "	.109	8	10	$\frac{1}{4}$	3	58
12"	2 $\frac{3}{4}$ "	.120	8	12	$\frac{1}{4}$	2	83

SC920

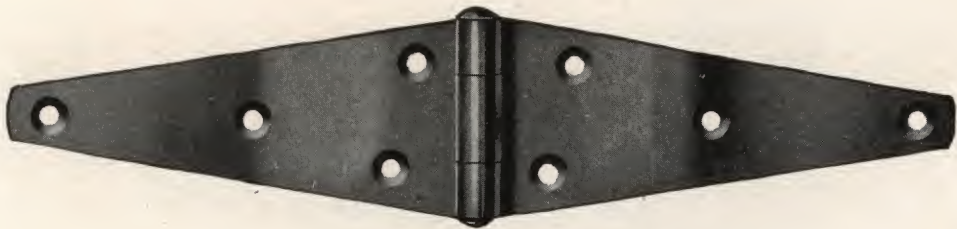
Packed one pair in a box with screws, except 2 inch packed six pair in a box with screws.

Furnished in Bright Steel, Japan, Zinc Plated and Hot Galvanized with Brass Pin.

Bright Steel will be furnished when finish is not specified.

Length Closed	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
2"	6— $\frac{5}{8}$ x 5	6	102	14 $\frac{1}{2}$
3"	6— $\frac{3}{4}$ x 6	1	100	27
4"	6— $\frac{3}{4}$ x 7	1	50	21
5"	8— $\frac{3}{4}$ x 8	1	50	30
6"	8— $\frac{7}{8}$ x 9	1	25	22
8"	8—1 x10	1	25	35
10"	8—1 x10	1	25	40
12"	8—1 $\frac{1}{4}$ x12	1	10	36

Wrought Steel Heavy Strap Hinges
Number 922



Cut 1/2 of 5" Size
(No. 922—HGBP U. S. Govt. Type 2203)

Regularly packed in cartons without screws as listed. Steel will be furnished when finish is not specified. When desired packed with screws, specify SC922. (See list below.)

Furnished in Bright Steel, Zinc Plated and Hot Galvanized with Brass Pin. Bright

Length Closed	Width of Strap at Joint	Gauge of Metal	Screw Holes in Each	Size of Screw, Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
4"	1 9/16"	.083	6	9	1/2	10	61
5"	1 11/16"	.100	6	10	1/2	5	50
6"	2 1/2"	.118	8	11	1/4	4	84
8"	3"	.130	8	12	1/4	2	66
10"	3 1/2"	.145	8	14	1/4	1	53
12"	4"	.165	10	14	1/4	1	76
14"	4"	.165	10	14	1/4	1	86

SC922

Packed one pair in a box with screws. Bright Steel will be furnished when finish is not specified.

Furnished in Bright Steel, Japan, Zinc Plated and Hot Galvanized with Brass Pin.

Length Closed	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
4"	6— 7/8x 9	1	50	30
5"	6—1 x10	1	50	47
6"	8—1 1/4x11	1	25	48
8"	8—1 1/2x12	1	25	74
10"	8—1 1/2x14	1	10	46
12"	10—1 1/2x14	1	10	67
14"	10—1 1/2x14	1	5	45

Wrought Steel Light Tee Hinges

Number 924



Cut ½ of 6" Size

Regularly packed in cartons without screws; as listed.

Furnished in Bright Steel, Zinc Plated and Hot Galvanized with Brass Pin. 3" size also furnished in Dull Brass Finish.

Bright Steel will be furnished when finish is not specified.

When desired packed with screws, specify **SC924**. (See list below.) **Size 3"** available in Wrought Brass, specify **SC924-A**.

Length Closed	Width of Strap at Joint	Length of Pad	Width of Pad	Gauge of Metal	Screw Holes in Each	Size of Screw, Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
3"	1"	2½"	⅞"	.072	6	7	1	25	75
4"	1⅛"	2½"	1"	.072	6	7	1	15	56
5"	1⅝"	3"	1⅜"	.083	7	8	½	10	65
6"	1⅝"	3¼"	1⅜"	.083	7	8	½	10	68
8"	1⅞"	4"	1⅝"	.100	7	9	½	5	68
10"	1¾"	4½"	1⅞"	.109	8	10	¼	3	51
12"	1⅞"	4¾"	1⅞"	.109	8	12	¼	2	51

SC924

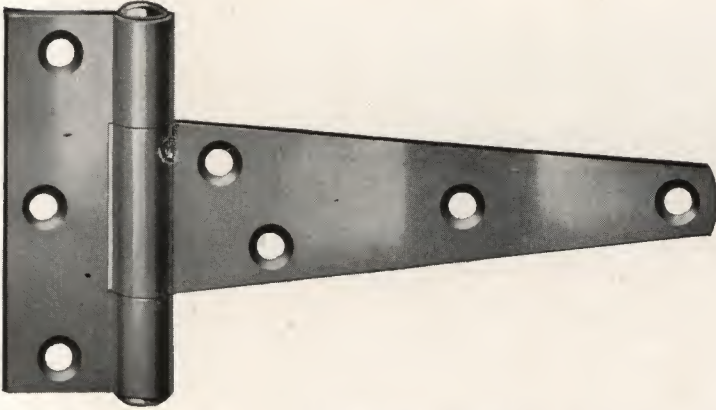
Packed one pair in a box with screws.

Furnished in Bright Steel, Japan, Zinc Plated and Hot Galvanized with Brass Pin.

Bright Steel will be furnished when finish is not specified.

Length Closed	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
3"	6— ¾x 7	1	100	32
4"	6— ¾x 7	1	50	19
5"	7— ¾x 8	1	50	30
6"	7— ¾x 8	1	25	18
8"	7— ⅞x 9	1	25	33
10"	8— 1 x10	1	25	38
12"	8— 1½x12	1	10	24

Wrought Steel Heavy Tee Hinges Number 926



Cut 1/2 of 6" Size

(No. 926—HGBP U. S. Govt. Type 2208)

Regularly packed in cartons without screws; as listed. Bright Steel will be furnished when finish is not specified.

Furnished in Bright Steel, Zinc Plated and Hot Galvanized with Brass Pin. When desired packed with screws, specify SC926. (See list below).

Length Closed	Width of Strap at Joint	Length of Pad	Width of Pad	Gauge of Metal	Screw Holes in Each	Size of Screw, Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
4"	1 1/8"	3"	1 1/8"	.083	6	7	1/2	15	81
5"	1 5/16"	3 3/16"	1 5/16"	.083	7	8	1/2	10	70
6"	1 9/16"	3 1/2"	1 1/2"	.095	7	9	1/2	6	58
8"	1 3/4"	4"	1 1/2"	.100	7	10	1/2	5	56
10"	2"	4 1/2"	1 3/4"	.109	8	11	1/4	3	59
12"	2 1/4"	5 1/2"	2 3/8"	.120	9	12	1/4	2	68

SC926

Packed one pair in a box with screws. Bright Steel will be furnished when finish is not specified.

Furnished in Bright Steel, Japan, Zinc Plated and Hot Galvanized with Brass Pin.

Length Closed	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
4"	6— 3/4x 7	1	50	26
5"	7— 3/4x 8	1	50	32
6"	7— 7/8x 9	1	25	24
8"	7— 1 x10	1	25	35
10"	8— 1 1/4x11	1	25	46
12"	9— 1 1/2x12	1	10	30 1/2

Wrought Steel Extra Heavy Tee Hinges Number 928



Cut 1/2 of 6" Size

(No. 928-HGBP U. S. Govt. Type 2209)

Regularly packed in cartons without screws; as listed.

Furnished in Bright Steel, Zinc Plated and Hot Galvanized with Brass Pin.

Bright Steel will be furnished when finish is not specified.

When desired packed with screws, specify **SC928**. (See list below.)

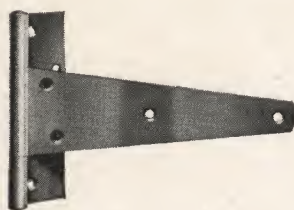
Length Closed	Width of Strap at Joint	Length of Pad	Width of Pad	Gauge of Metal	Screw Holes in Each	Size of Screw Number	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
4"	1 5/8"	3 1/2"	1 1/4"	.093	6	9	1/2	10	88
5"	1 3/4"	4"	1 1/2"	.109	8	10	1/2	5	66
6"	2 1/8"	4 1/2"	1 3/4"	.118	8	11	1/4	4	86
8"	2 3/4"	5 1/2"	2 1/4"	.130	9	12	1/4	2	72
10"	3 1/2"	7"	2 1/4"	.145	9	14	1/4	1	56
12"	4"	7 3/4"	2 3/4"	.165	10	14	1/4	1	79
14"	4 1/4"	7 3/4"	2 3/4"	.165	10	14	1/4	1	85
16"	4 1/4"	7 3/4"	2 3/4"	.165	10	14	1/4	1/2	47

SC928

Packed one pair in a box with screws. Furnished in Bright Steel, Japan, Zinc Plated and Hot Galvanized with Brass Pin.

Bright Steel will be furnished when finish is not specified.

Length Closed	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
4"	6—7/8x9	1	50	40
5"	8—1x10	1	50	63
6"	8—1 1/4x11	1	25	50
8"	9—1 1/2x12	1	25	83
10"	9—1 1/2x14	1	10	50
12"	10—1 1/2x14	1	10	71
14"	10—1 3/4x14	1	5	40
16"	10—1 3/4x14	1	5	44



Wrought Steel Extra Heavy Tee Hinges, Reversed Pad Number 930

Three sizes 8, 10 and 12"

(No. 930-HGBP U. S. Govt. Type 2212)

Packed in cartons without screws. Furnished in Bright Steel, Zinc Plated and Hot Galvanized with Brass Pin.

Bright Steel will be furnished when finish is not specified.

This is the same hinge as Number 928 with reversed pad. See Number 928 specifications for measurements, packing and weights.



Reversible Tee Hinge

Number SC940

Loose Pin

A loose pin hinge with corrugated strap which can be used as a regular T Hinge or used with the frame reversed and mortised in so that it is equally adaptable to all kinds of garage construction. Furnished in Japan or Zinc Plated. Japan will be furnished when finish is not specified. Packed one pair in a box with screws. Sizes 6, 8, 10 and 12 inches.

Size, Length of Strap	Width of Strap at Joint	Size of Pad	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
6"	2 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "x4 $\frac{1}{2}$ "	.118	8—1 $\frac{1}{4}$ x11	1	25	50
8"	2 $\frac{3}{4}$ "	2 $\frac{1}{4}$ "x5 $\frac{1}{2}$ "	.130	9—1 $\frac{1}{2}$ x12	1	10	37
10"	3 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "x7"	.145	9—1 $\frac{1}{2}$ x14	1	10	51
12"	4"	2 $\frac{3}{4}$ "x7 $\frac{3}{4}$ "	.165	10—1 $\frac{1}{2}$ x14	1	10	72



Offset Garage Hinge

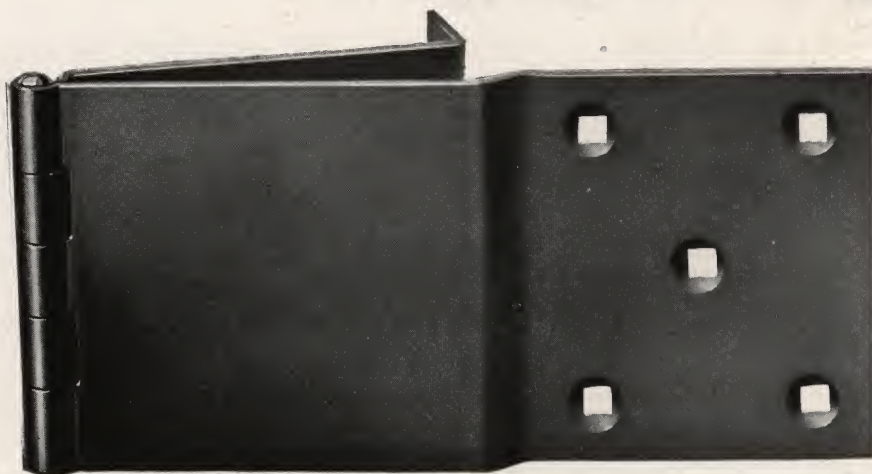
Number SC941

Tight Pin

Designed to swing the door back entirely clear of the opening. Made in four sizes: 6, 8, 10 and 12 inch, measured from offset to end of strap. Furnished in Japan or Zinc Plated. Japan will be furnished when finish is not specified. Packed one pair in a box with screws.

Size, from Offset to End of Strap	Width of Strap at Joint	Size of Pad	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
6"	2 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "x4 $\frac{1}{2}$ "	.118	8—1 $\frac{1}{4}$ x11	1	25	55
8"	2 $\frac{3}{4}$ "	2 $\frac{1}{4}$ "x5 $\frac{1}{2}$ "	.130	9—1 $\frac{1}{2}$ x12	1	10	40
10"	3 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "x7"	.145	9—1 $\frac{1}{2}$ x14	1	10	52
12"	4"	2 $\frac{3}{4}$ "x7 $\frac{3}{4}$ "	.165	10—1 $\frac{1}{2}$ x14	1	10	85

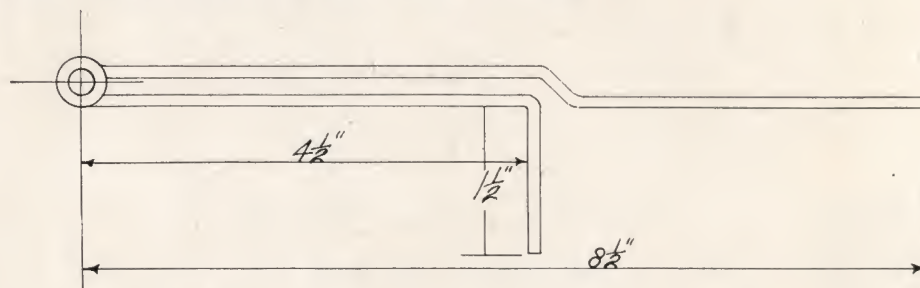
Wrought Steel Half Surface Garage Hinge Number SC949



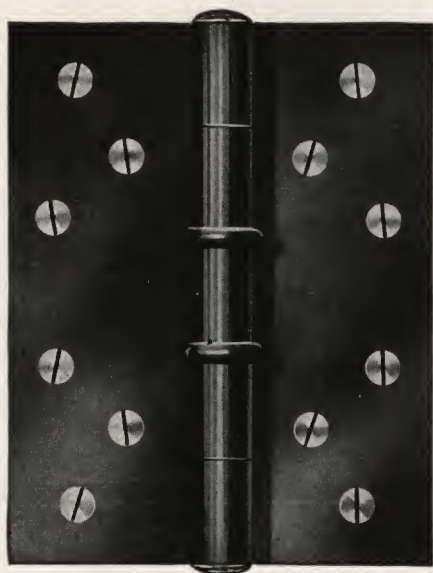
This Hinge will allow the two-hinged doors of any folding garage door set to stand at right angle with building and clear the door opening. Made in one size only.

Furnished in Japan or Zinc Plated. Japan will be furnished when finish is not specified.

Packed one pair in a box with $1\frac{1}{2}$ x12 screws. Will furnish with carriage bolts on special order; state thickness of door when ordering.



Size, Door Leaf Width	Door Leaf Length Joint	Length of Jamb Leaf Surface	Angle	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
4"	8 1/2"	4 1/2"	1 1/2"	.109	12—1 1/2x12 F.H.	1	10	51



Garage Butt Number SC939

This butt measures 7x5 1/2 inches when open and the number and arrangement of screws used make it unusually strong. Anti-friction washers provide an easy-working joint. Furnished in Japan. Packed one pair in a box with screws.

Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
7"x5 1/2"	.145	12—1 1/2x12 F.H.	1	10	46

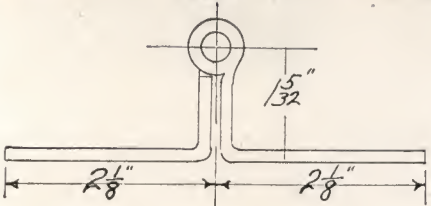


Garage Surface Butts
Offset
Number SC341

Tight Pin

Heavy, offset butt 4½ inches by 4¼ inches made of cold rolled steel. Furnished in Japan or Zinc Plated. Japan will be furnished when finish is not specified.

Packed one pair in a box with screws.



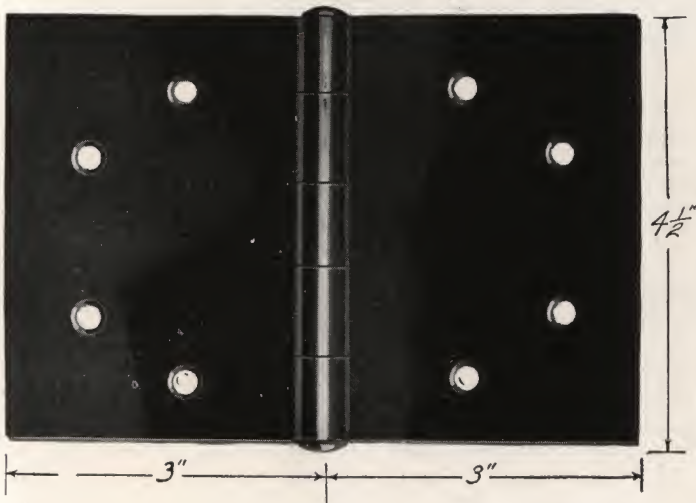
Size, Length of Joint	Width of Leaf Surface	Offset	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
4½"	2⅛"	1⅝"	.134	8—1¼x11F.H.	1	10	28

Garage Surface Butt Hinge
Without Offset
Number SC342

Tight Pin

Heavy surface butt 4½ inches by 6 inches made of cold rolled steel. Furnished in Japan or Zinc Plated. Japan will be furnished when finish is not specified.

Packed one pair in a box with screws.

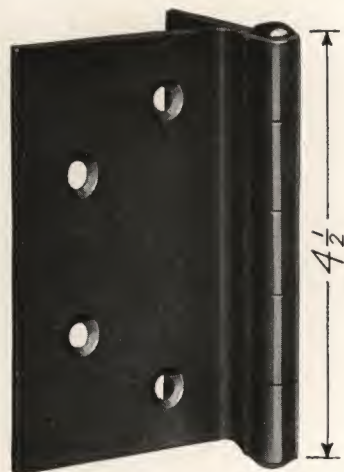
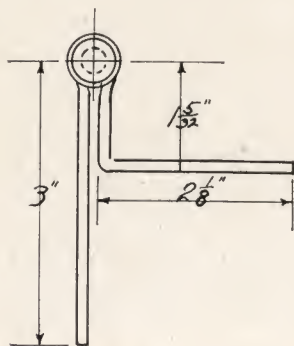


Size Open	Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
4½"x6"	.134	8—1¼x11 F.H.	1	10	28

Garage Half Surface Butt Number SC343

Tight Pin

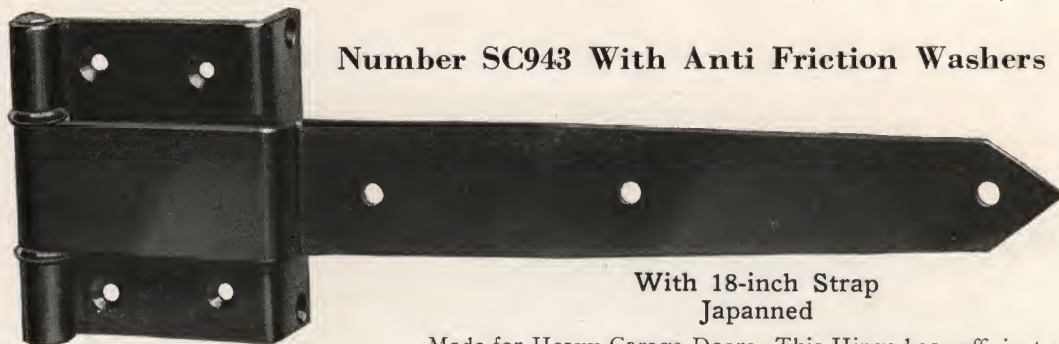
One size only; $4\frac{1}{2}$ inches. Furnished in Japan and packed one pair in a box with screws.



Size, Length of Joint	Width of Leaf			Gauge of Metal	Quantity and Size of Screws, Each	Pr. in Box	Pr. in Carton	Weight per Carton
Jamb	Door Surface	Door Offset						
$4\frac{1}{2}$ "	3"	$2\frac{1}{8}$ "	$1\frac{5}{8}$ "	.134	4— $1\frac{1}{4}$ x11 F.H. 4— $1\frac{1}{4}$ x11 R.H.	1	10	28

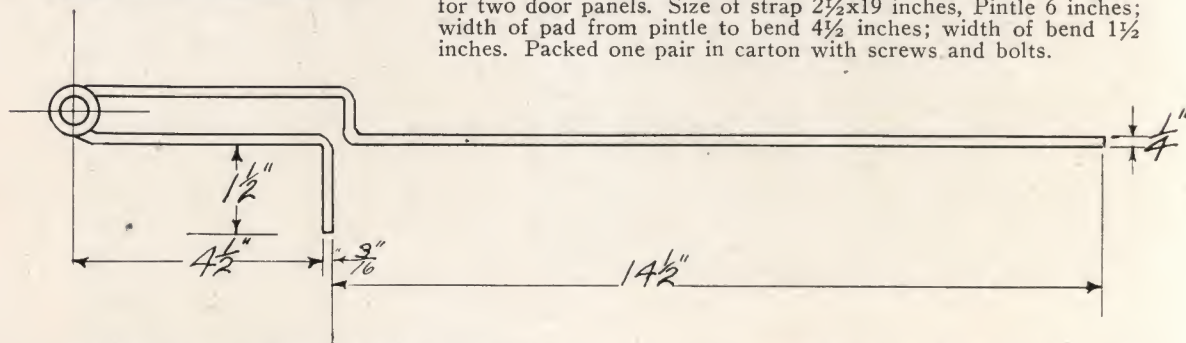
Reverse Pad Offset Garage Door Hinge

Number SC943 With Anti Friction Washers



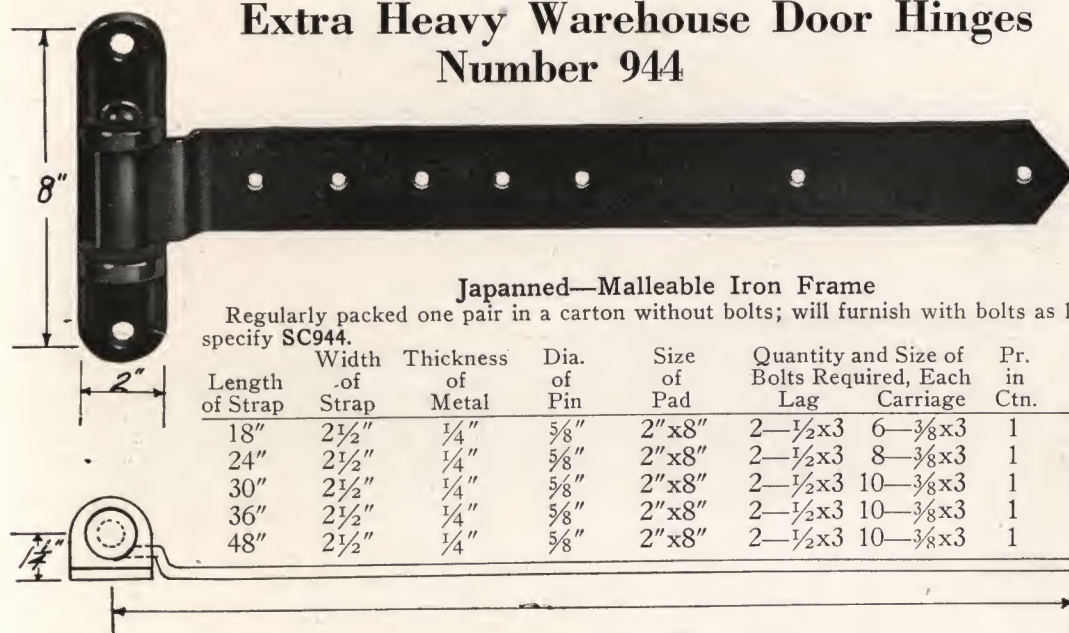
With 18-inch Strap Japanned

Made for Heavy Garage Doors. This Hinge has sufficient offset for two door panels. Size of strap $2\frac{1}{2}$ x19 inches, Pintle 6 inches; width of pad from pintle to bend $4\frac{1}{2}$ inches; width of bend $1\frac{1}{2}$ inches. Packed one pair in carton with screws and bolts.



Length of Strap Over- all	Door Surface	Width of Strap	Length of Pintle	Width of Pad Jamb Surface	Jamb Angle	Thickness of Metal Pad	Strap	Quantity and Size of Bolts Screws Each	Pr. in Ctn.	Wt. per Ctn.
19"	$14\frac{1}{2}$ "	$2\frac{1}{2}$ "	6"	$4\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	3— $\frac{3}{8}$ x3 9— $1\frac{3}{4}$ x14	1	16

Extra Heavy Warehouse Door Hinges Number 944

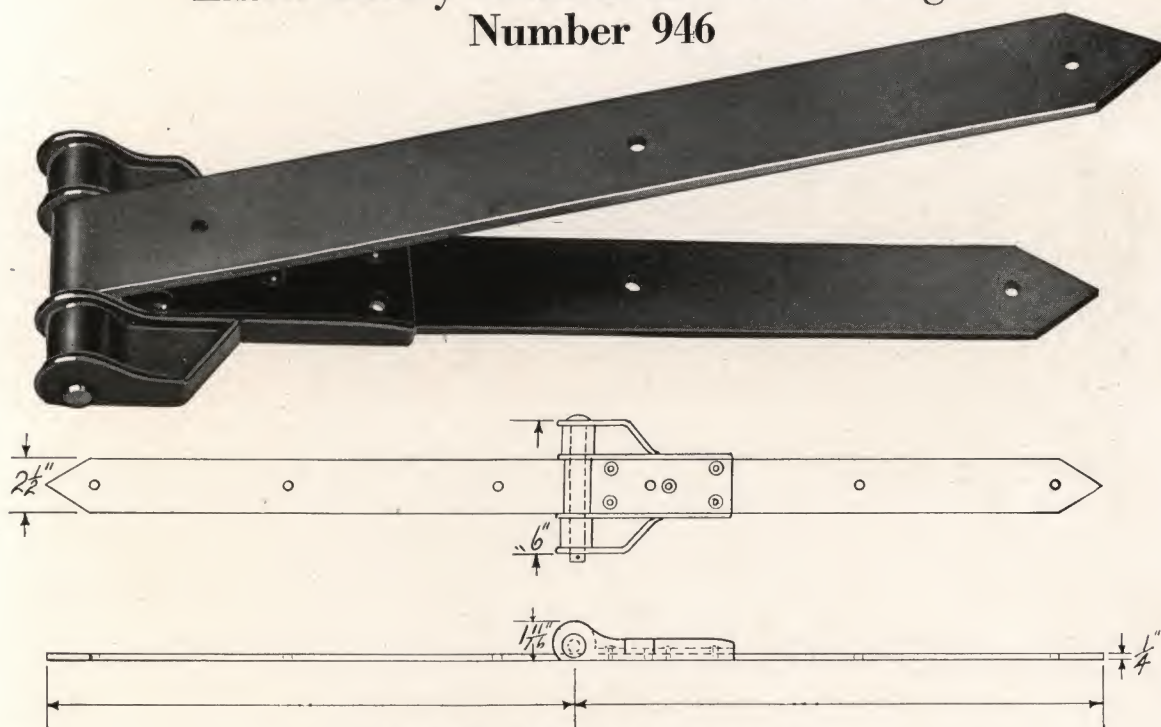


Japanned—Malleable Iron Frame

Regularly packed one pair in a carton without bolts; will furnish with bolts as listed, specify SC944.

Length of Strap	Width of Strap	Thickness of Metal	Dia. of Pin	Size of Pad	Quantity and Size of Bolts Required, Each		Pr. in Ctn.	Wt. per Ctn.
					Lag	Carriage		
18"	2½"	¼"	⅝"	2" x 8"	2—½x3	6—⅜x3	1	16½
24"	2½"	¼"	⅝"	2" x 8"	2—½x3	8—⅜x3	1	18½
30"	2½"	¼"	⅝"	2" x 8"	2—½x3	10—⅜x3	1	20½
36"	2½"	¼"	⅝"	2" x 8"	2—½x3	10—⅜x3	1	22¾
48"	2½"	¼"	⅝"	2" x 8"	2—½x3	10—⅜x3	1	27

Extra Heavy Warehouse Door Hinges Number 946



Japanned—Malleable Iron Frame

Packed one pair in a carton without bolts.

Length of Strap	Width of Strap	Width of Pintle	Thickness of Metal	Dia. of Pin	Holes for Bolts	Pr. in Carton	Weight per Carton
24"	2½"	6"	¼"	¾"	⅞"	1	32
30"	2½"	6"	¼"	¾"	⅞"	1	34
36"	2½"	6"	¼"	¾"	⅞"	1	36
48"	2½"	6"	¼"	¾"	⅞"	1	41

Half Surface Garage Hinge

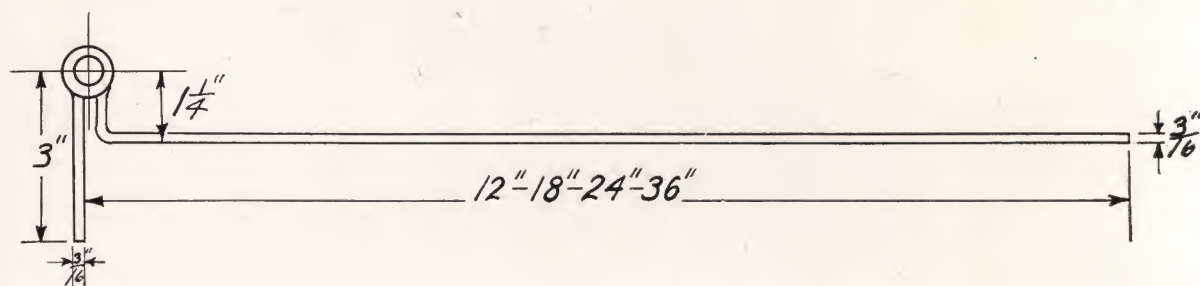
Number SC938 With Anti Friction Washers

Number BB938 With Ball Bearing Washers



(No. BB938-HGBP U. S. Govt. Type 2138)

(No. CD-BB938-D U. S. Govt. Type 2138-A)



An especially strong T Hinge designed for use on garage doors. Can be used where casing is flush with door or where door is set in. Japanned hinges are baked. Plain bearing hinges are furnished in Bright Japan and ball bearing hinges in Dead Black Japan. BB938 also furnished in Hot Galvanized with Brass Pin.

Regularly packed one pair in a carton with $1\frac{3}{4}$ " x 14 Flat Head Screws and $2\frac{1}{4}$ " x $\frac{5}{16}$ " Carriage Bolts.

Can be furnished with longer carriage bolts on special order.

Size, Length of Strap Joint		Width of Strap Pad		Gauge of Metal	Quantity and Size of Screws Carriage Bolts Each		Pr. in Carton	Weight per Carton
12"	7"	3"	3"	.165	5— $1\frac{3}{4}$ x14	4— $2\frac{1}{4}$ x $\frac{5}{16}$	1	8 $\frac{1}{4}$
18"	7"	3"	3"	.165	5— $1\frac{3}{4}$ x14	5— $2\frac{1}{4}$ x $\frac{5}{16}$	1	9 $\frac{3}{4}$
24"	7"	3"	3"	.165	5— $1\frac{3}{4}$ x14	6— $2\frac{1}{4}$ x $\frac{5}{16}$	1	11 $\frac{1}{4}$
36"	7"	3"	3"	.165	5— $1\frac{3}{4}$ x14	8— $2\frac{1}{4}$ x $\frac{5}{16}$	1	14 $\frac{3}{4}$

Offset Garage Hinge

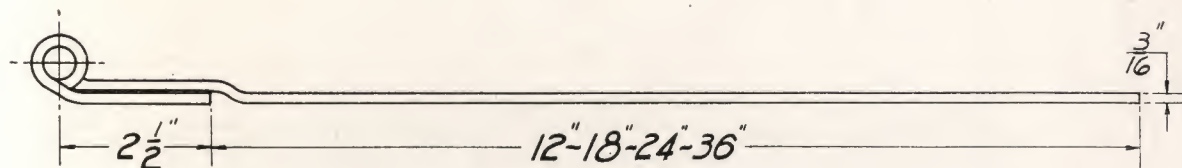
Number SC936 With Anti Friction Washers

Number BB936 With Ball Bearing Washers



(No. BB936-HGBP U. S. Govt. Type 2140)

(No. CD-BB936-D U. S. Govt. Type 2140-A)



Used where door is flush with casing to throw door entirely clear of opening. Made in four sizes, measured from offset to end of strap. Japanned hinges are baked. Plain bearing hinges are furnished in Bright Japan and ball bearing hinges in Dead Black Japan. BB936 also furnished in Hot Galvanized with Brass Pin.

Regularly packed one pair in a carton with $1\frac{3}{4}$ -inch x 14 Flat Head Screws and $2\frac{1}{4}$ x $\frac{5}{16}$ Carriage Bolts.

Can be furnished with longer carriage bolts on special order.

Size, Length of Strap Joint		Width of Strap Pad		Gauge of Metal Strap Pad		Quantity and Size of Screws Bolts Each		Pr. in Carton	Weight per Carton
12"	7"	3"	2½"	.165	.165	5—1¾x14	4—2¼x $\frac{5}{16}$	1	8½
18"	7"	3"	2½"	.165	.165	5—1¾x14	5—2¼x $\frac{5}{16}$	1	10
24"	7"	3"	2½"	.165	.165	5—1¾x14	6—2¼x $\frac{5}{16}$	1	11½
36"	7"	3"	2½"	.165	.165	5—1¾x14	8—2¼x $\frac{5}{16}$	1	15¼

Rolled Plate Hinges

Number 917

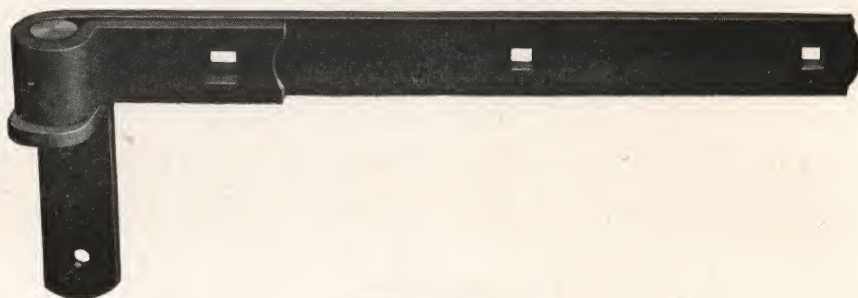


All Steel, Fast Joint, Japanned

Length of Strap	Width of Strap	Size of Pad	Gauge of Metal	Screw Holes in Each		Ctsk. for Screw Number	Pr. in Carton	Weight per Carton
				Strap	Pad			
6"	1"	3¼" x 3¾"	.187	3	4	12	12	19
8"	1"	3¼" x 3¾"	.187	3	4	12	12	21
10"	1¼"	3½" x 4½"	.187	3	4	12	12	36
12"	1¼"	3½" x 4½"	.187	3	4	12	12	40
14"	1½"	3½" x 5⅞"	.187	3	4	14	6	23
16"	1½"	3½" x 5⅞"	.187	3	4	14	6	30
18"	1½"	3½" x 5⅞"	.187	4	4	14	6	35

Angle Strap Hinges

Number 918



Plain Steel

For use on brick walls and narrow jambs.

Lgth. of Strap	Width of Strap	SIZE OF PAD		Gauge of Metal		Dia. of Pintle	Holes for Bolts in Each		Pr. in Ctn.	Wt. per Ctn.
		Base	Angle	Strap	Angle		Strap	Angle		
10"	1¼"	1¼" x 4⅞"	1¼" x 1½"	⅜"	¼"	⅝"	3—⅞"	2—⅞"	12	40
12"	1¼"	1¼" x 4⅞"	1¼" x 1½"	¼"	¼"	⅝"	3—⅞"	2—⅞"	12	50
14"	1½"	1½" x 4⅝"	1½" x 1⅞"	¼"	¼"	¾"	3—¾"	2—½"	6	35
16"	1½"	1½" x 4⅝"	1½" x 1⅞"	¼"	¼"	¾"	4—¾"	2—½"	6	37½
18"	1¾"	1½" x 4⅝"	1½" x 1⅞"	¼"	¼"	¾"	4—¾"	2—½"	6	45
20"	1¾"	1¾" x 4⅝"	1¾" x 1⅝"	¼"	¼"	¾"	4—¾"	2—½"	6	51
24"	2"	1¾" x 4⅝"	1¾" x 1⅝"	¼"	¼"	⅞"	4—¾"	2—½"	3	35

Screw Hook and Strap Hinges Number 911



Rolled Threads; Plain Steel or Hot Galvanized

Plain Steel will be furnished when finish is not specified.

Length of Strap	Width of Strap	Gauge of Metal	Size of Screw Hooks	Square Holes in Each Quantity	Bolt Size	Pr. in Carton	Weight per Carton
6"	1 1/4"	3/16"	1/2x4	2	5/16"	24	47
8"	1 1/4"	3/16"	1/2x4	3	5/16"	24	53
10"	1 1/4"	3/8"	5/8x5	3	5/8"	24	86
12"	1 1/4"	1/4"	5/8x5	3	5/8"	24	100
14"	1 1/2"	1/4"	3/4x6	3	3/8"	12	75
16"	1 1/2"	1/4"	3/4x6	4	3/8"	12	80
18"	1 3/4"	1/4"	3/4x6	4	3/8"	12	95
20"	1 3/4"	1/4"	3/4x6	4	3/8"	12	102
24"	2"	1/4"	7/8x7	4	3/8"	6	73
30"	2"	1/4"	7/8x7	5	3/8"	6	83
36"	2"	1/4"	7/8x7	5	3/8"	6	94

Extra Straps Number 912

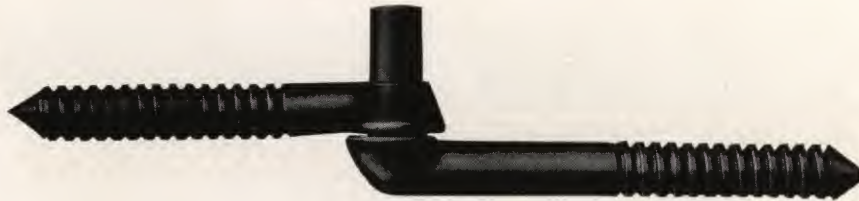


Plain Steel

Length of Strap	Width of Strap	Gauge of Metal	For Screw Hooks	Bolt Hooks	Square Holes in Each Quantity	Bolt Size	Pr. in Carton	Weight per Carton
6"	1 1/4"	3/16"	1/2x4	1/2x6	2	5/16"	36	47
8"	1 1/4"	3/16"	1/2x4	1/2x6	3	5/16"	36	56
10"	1 1/4"	3/8"	5/8x5	5/8x8	3	5/8"	36	84
12"	1 1/4"	1/4"	5/8x5	5/8x8	3	5/8"	36	105
14"	1 1/2"	1/4"	3/4x6	3/4x10	3	3/8"	18	73
16"	1 1/2"	1/4"	3/4x6	3/4x10	4	3/8"	18	80
18"	1 3/4"	1/4"	3/4x6	3/4x10	4	3/8"	18	103
20"	1 3/4"	1/4"	3/4x6	3/4x10	4	3/8"	18	109
24"	2"	1/4"	7/8x7	7/8x10	4	3/8"	9	87
30"	2"	1/4"	7/8x7	7/8x10	5	3/8"	9	96
36"	2"	1/4"	7/8x7	7/8x10	5	3/8"	9	106

Screw Hook and Eye Hinges

Number 915



Plain Steel

Hooks are made with rolled threads, perfectly pointed.

The eye fits snugly over the pin, so the gate or door cannot sag.

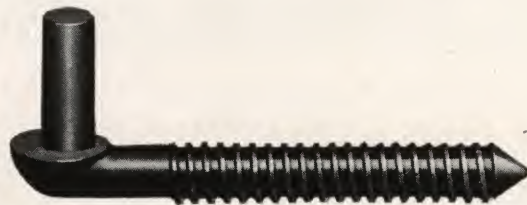
One pair consists of two hooks and two eyes.

Three sizes: $\frac{1}{2}$ x4, $\frac{5}{8}$ x5 and $\frac{3}{4}$ x6 inch. Packed in carton as listed below.

Diameter of Hook	Length of Hook	Length of Eye	Pr. in Carton	Weight per Carton
$\frac{1}{2}$ "	4"	4"	24	28
$\frac{5}{8}$ "	5"	5"	24	52
$\frac{3}{4}$ "	6"	6"	12	44

Wrought Steel Screw Hooks

Number 914

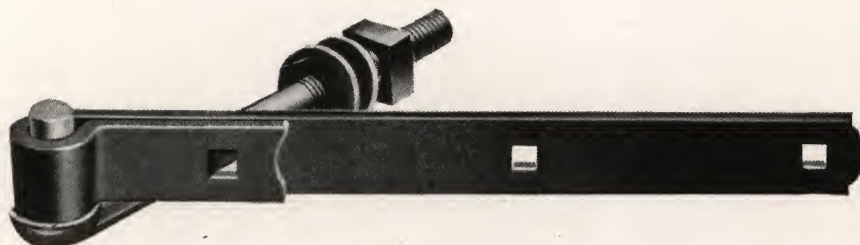


Plain Steel; Rolled Threads and Sharp Points

Four sizes: $\frac{1}{2}$ x4, $\frac{5}{8}$ x5, $\frac{3}{4}$ x6 and $\frac{7}{8}$ x7 inch. Packed in carton as listed below.

Size	For Hinges	Diameter of Pintle	No. in Carton	Weight per Carton
$\frac{1}{2}$ "x4"	6" and 8"	$\frac{1}{2}$	100	33
$\frac{5}{8}$ "x5"	10" and 12"	$\frac{5}{8}$	100	62
$\frac{3}{4}$ "x6"	14", 16", 18" and 20"	$\frac{3}{4}$	50	54
$\frac{7}{8}$ "x7"	24", 30" and 36"	$\frac{7}{8}$	25	43

Strap and Bolt Hinges Number 916

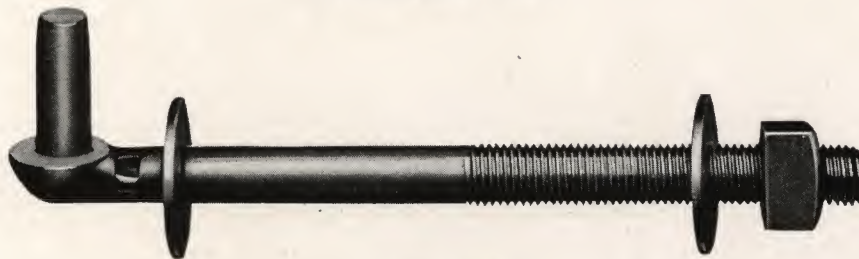


Plain Steel; Rolled Threads

Packed in cartons as listed with two washers with each bolt.

Length of Strap	Width of Strap	Gauge of Metal	Size of Bolt Hooks	Square Holes in Each Bolt Size	Pr. in Carton	Weight per Carton
6"	1 1/4"	3/16"	1/2x6	2	12	30
8"	1 1/4"	3/16"	1/2x6	3	12	33
10"	1 1/4"	7/32"	5/8x8	3	12	58
12"	1 1/4"	1/4"	5/8x8	3	12	63
14"	1 1/2"	1/4"	3/4x10	3	6	49
16"	1 1/2"	1/4"	3/4x10	4	6	52
18"	1 3/4"	1/4"	3/4x10	4	6	60
20"	1 3/4"	1/4"	3/4x10	4	6	64
24"	2"	1/4"	7/8x10	4	3	44
30"	2"	1/4"	7/8x10	5	3	49
36"	2"	1/4"	7/8x10	5	3	55

Wrought Steel Bolt Hooks Number 913



Plain Steel

Each bolt furnished with two washers. Packed in cartons as listed.

Size	For Hinges	Each in Carton	Weight per Carton
1/2" x 6"	6" and 8"	50	30
5/8" x 8"	10" and 12"	25	30
3/4" x 10"	14", 16", 18" and 20"	25	51
7/8" x 10"	24", 30" and 36"	25	72

Cottage Latch

Number SC104



Cut Approximately $\frac{3}{4}$ Actual Size

Japanned

An inexpensive latch and a convenient one to apply. For light doors up to $1\frac{3}{4}$ inches in thickness furnished with a safety locking catch.

Packed one in a box with screws.

Length of Handle	Length of Grip	Length of Latch Bar	Quantity and Size of Screws, Each		Set in Box	Dz. Sets in Carton	Weight per Carton
			Latch Bar	Handle, Strike, Esc., Locking Stud			
$5\frac{1}{4}"$	$3\frac{1}{2}"$	$3\frac{1}{2}"$	1— $\frac{3}{4}$ x6 R.H.	7— $\frac{3}{4}$ x6 F.H.	1	5	21

Good Hardware since 1876

Lawrence Thumb Latch Number SC103



Cut Two-Thirds Actual Size

Japanned

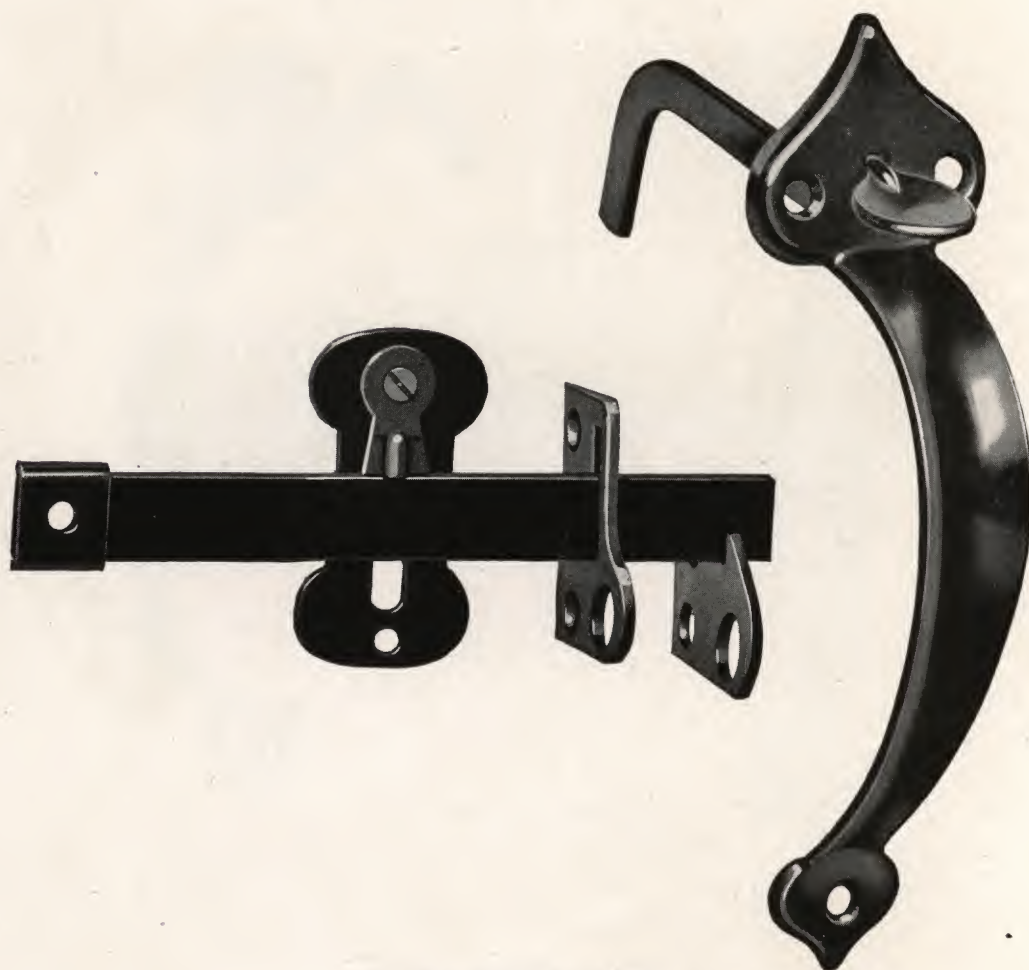
A medium size all-steel latch, similar to but smaller than our SC105 Latch shown on Page 189 to be used on light doors up to 2¾ inches in thickness. Handle is 6½ inches overall and latch bar is 4½ inches long. Packed one in a box with screws.

Length of Handle	Length of Grip	Length of Latch Bar	Quantity and Size of Screws, Each	Set in Box	Dz. Sets in Carton	Weight per Carton
6½"	4⅛"	4½"	8—7⁄8x8 F.H.	1	2	14½

Good Hardware since 1876

Lawrence Thumb Latch

Number SC104½



Cut Two-Thirds Actual Size

(SC104½-J U. S. Govt. Type F1188—7½")

Japaned

A medium size all-steel thumb latch for general use. Handle 7½ inches overall and latch bar 5½ inches long.

For doors up to 2¾ inches in thickness.

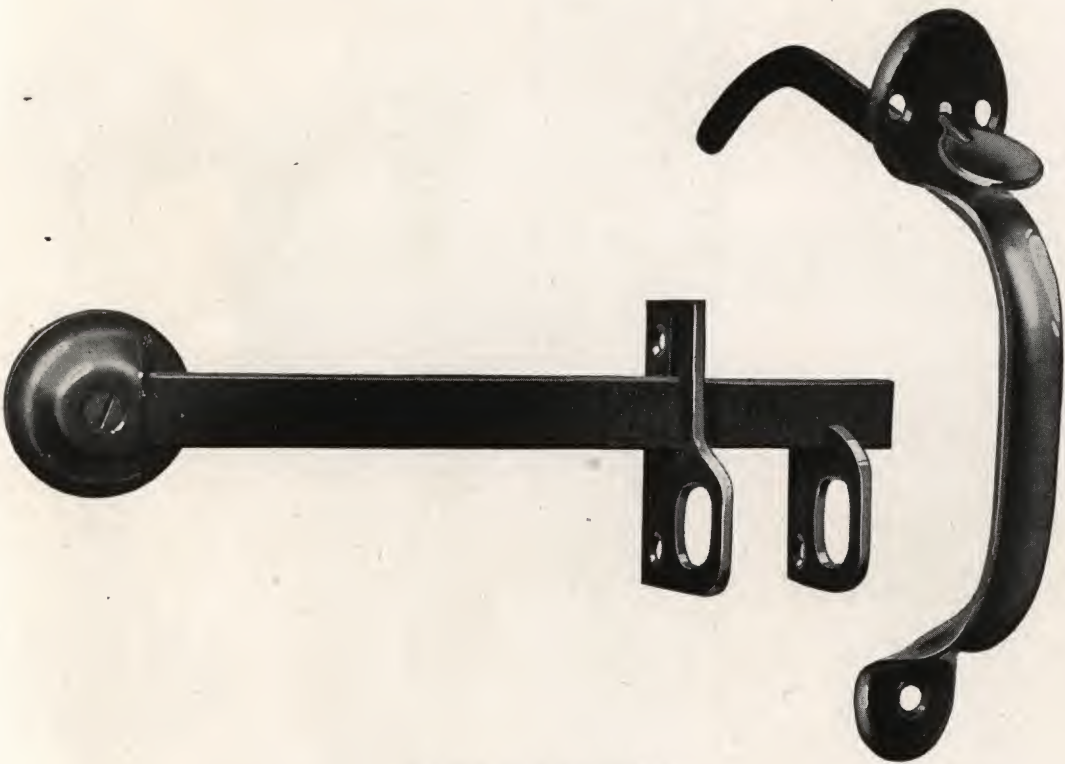
Packed one in a box with screws.

Length of Handle	Length of Grip	Length of Latch Bar	Quantity and Size of Screws, Each Handle, Guide and Strike	of Screws, Each Latch Bar, Esc. and Locking Stud	Set in Box	Dz. in Carton	Weight per Carton
7½"	4¾"	5½"	7—7/8x8 F.H.	4—¾x8 R.H.	1	2	19

Good Hardware since 1876

Lawrence Thumb Latch

Number SC105



Cut One-Half Actual Size

(SC105-J U. S. Govt. Type F1188—8¾")

Japan or Zinc Plated

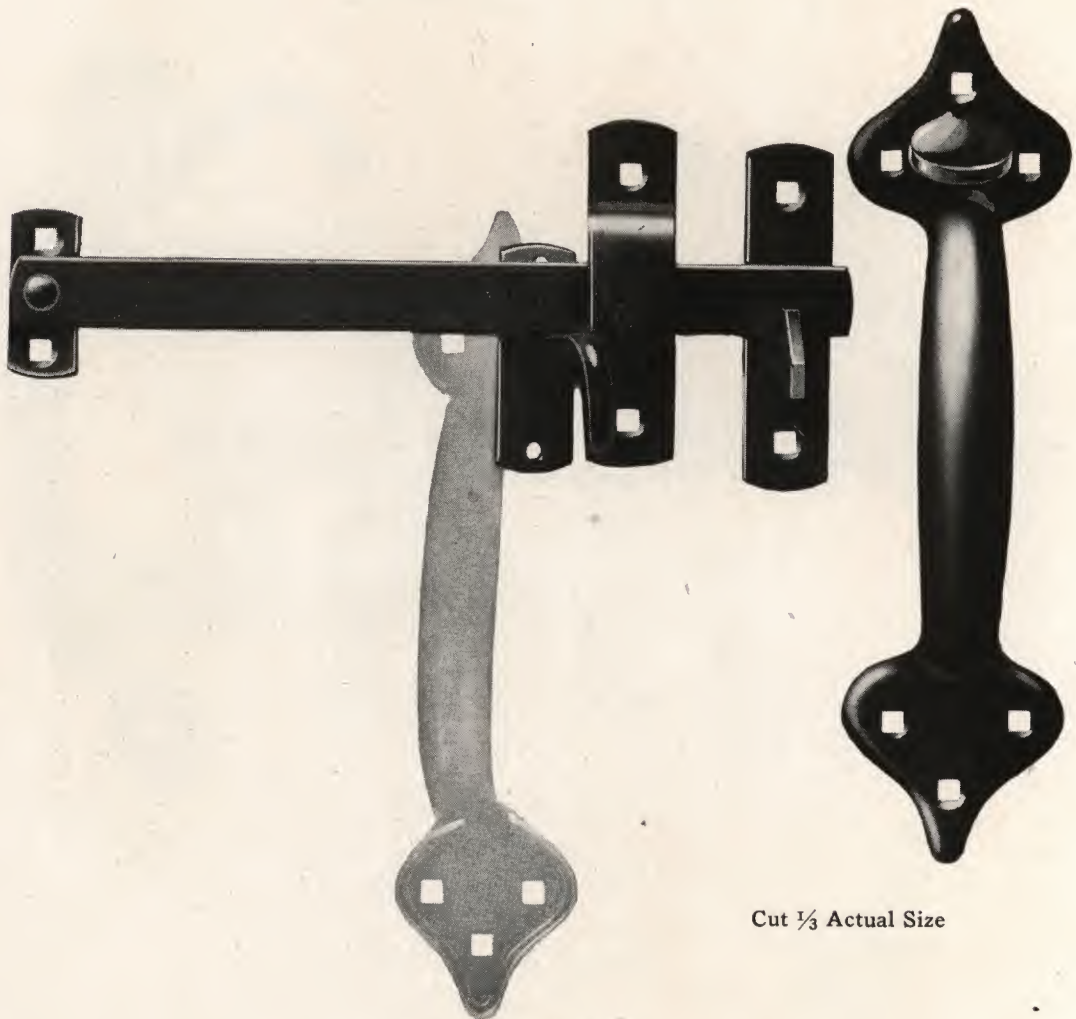
A good, heavy, all-steel latch that won't break, and a thumb lift that cannot work loose or get out of place. Suitable for barn, shop or warehouse doors. Screw holes are concealed making the latch burglarproof and it can be easily padlocked. Handle is

eight inches overall and latch bar is nine inches long. For doors up to 2¾ inches in thickness. Japan will be furnished when finish is not specified.

Packed one in a box with screws.

Length of Handle	Length of Grip	Length of Latch Bar	Quantity and Size of Screws, Each		Set in Box	Dz. in Carton	Weight per Carton
			Handle, Guide and Strike	Latch Bar			
8"	5"	9"	7—1x10 F.H.	1—1¼x11 R.H.	1	2	27

Extra Heavy Latch Number SC109



Cut $\frac{1}{3}$ Actual Size

(SC109-J U. S. Govt. Type F1189)

Japan or Zinc Plated

A very heavy latch with a $11\frac{1}{2}$ -inch handle. Unusually attractive in appearance. May be used with Colonial Work as well as for all heavy doors requiring an extra strong latch.

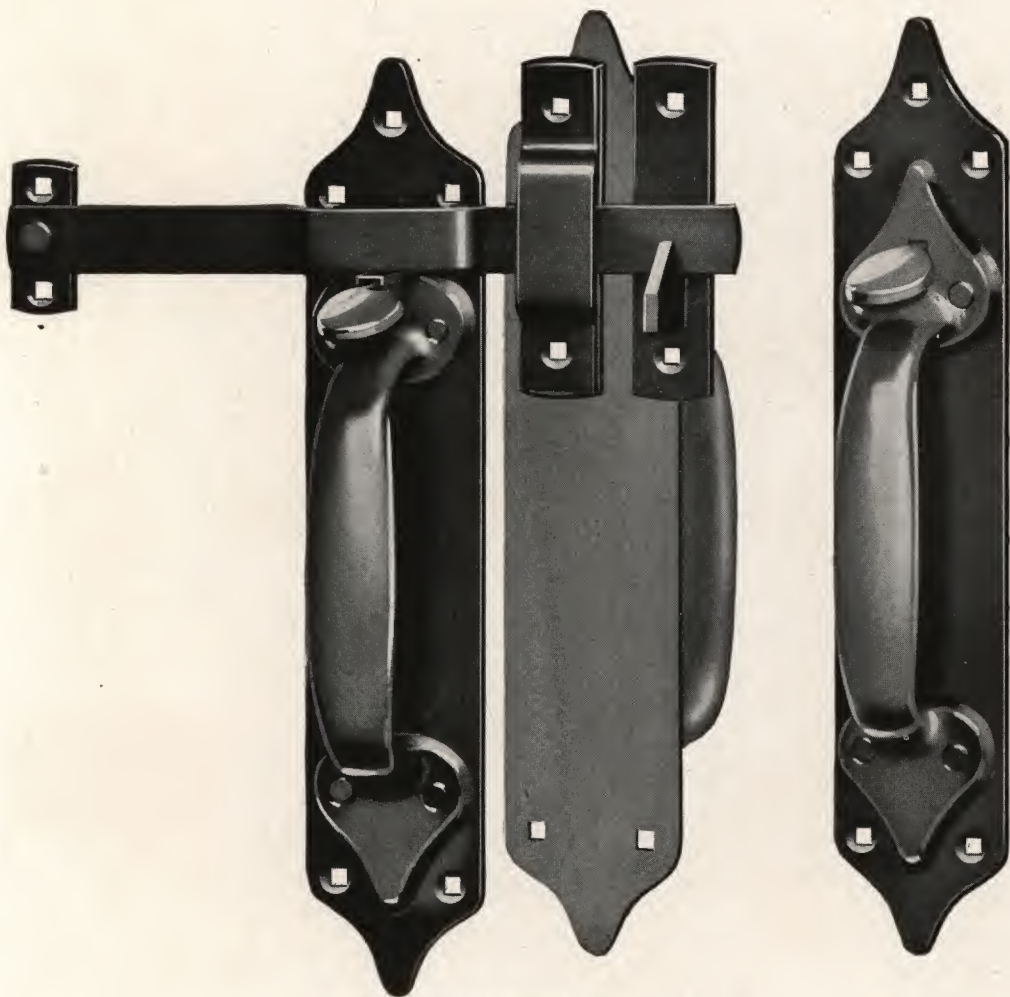
For doors up to $3\frac{1}{4}$ inches in thickness. Japan will be furnished when finish is not specified.

Packed one in a box with screws.

Length of Handle	Length of Grip	Length of Latch Bar	Quantity and Size of Screws, Each		Set in Box	Dz. in Carton	Weight per Carton
			Handle, Latch Bar, Guide and Strike	Esc.			
$11\frac{1}{2}"$	$5\frac{1}{4}"$	12"	12— $1\frac{1}{2}$ x12 F.H.	2—1x9 F.H.	1	1	43

Good Hardware since 1876

Double Handle Latch
Number SC204



Cut $\frac{1}{3}$ Actual Size

(SC204-J U. S. Govt. Type F1190)
(SC204-CD U. S. Govt. Type F1190-C)
Japanned

An all-steel double handle latch suitable for warehouse, public garage and shop doors from $1\frac{1}{2}$ to $2\frac{1}{4}$ inches in thickness. Handles on both sides of the door make a better appearance and provide a better grip for

handling door.

Handle plate $14\frac{1}{2}$ inches, handle $11\frac{1}{2}$ inches long.

Packed one in a box with screws.

Length of Handle	Length of Grip	Length of Latch Bar	Quantity and Size of Screws, Each	Set in Box	Dz. in Carton	Weight per Carton
$11\frac{1}{2}$ "	$5\frac{1}{4}$ "	$11\frac{5}{8}$ "	16— $1\frac{1}{2}$ x12 F.H.	1	$\frac{1}{2}$	30

Padlock Eyes

Number SC1049

Number SC1050



Illustration $\frac{2}{3}$ Size of SC1050

(SC1050-HG U. S. Govt. Type F1430)
 (SC1050-CD U. S. Govt. Type F1430-C)
 (SC1050-J U. S. Govt. Type F1430-D)

Used in pairs, being fastened to the edge of the jamb and door. When door is closed, screws are concealed. Packed one dozen pair in a box with screws. Regularly furnished in Japan finish.

Item Number	Size	Gauge of Metal	Quantity and Size of Screws, Each	Dz. Pr. in Box	Dz. Pr. in Carton	Weight per Carton
SC1049	$1\frac{5}{8}" \times 1\frac{5}{16}"$	.095	3— $\frac{3}{4} \times 7$ F.H.	1	25	26
SC1050	$2\frac{1}{8}" \times 1\frac{7}{8}"$	.120	3—1 $\times 10$ F.H.	1	10	25

Wagon Stake Holders

Number 307



Jappanned

Packed one dozen in a carton without screws.

Outside Length	Inside Measurements	Width of Strap	Overall Height	Gauge of Metal	Holes in Each	Diameter of Holes	Dz. in Carton	Weight per Carton
$7\frac{1}{2}"$	$1\frac{3}{4}" \times 3"$	$2\frac{1}{2}"$	2"	.250	4	$\frac{7}{16}"$	1	22



Open Bar Staples Number 308

Japanned

Packed one dozen in a box without screws.

Width	Overall Length	Size of Pocket	Gauge of Metal	Quantity and Size of Lag Screws Required, Each	Dz. in Box	Dz. in Carton	Weight per Carton
1 1/4"	7 1/2"	4 1/4"	1/4"	2—3/8x2	1	5	48

Closed Bar Staple Number 318

Japanned

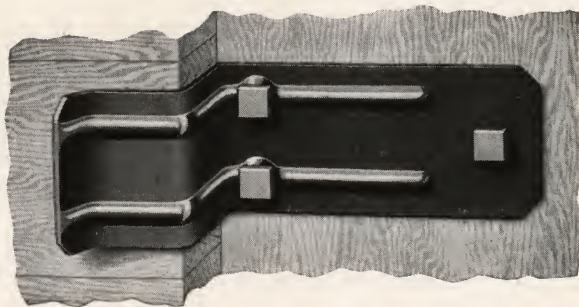
Packed one dozen in a box without screws.

Width	Length	Inside Measurements	Gauge of Metal	Quantity and Size of Lag Screws Required, Each	Dz. in Box	Dz. in Carton	Weight per Carton
1 1/4"	7"	2"x4 3/8"	3/16"	2—3/8x2	1	5	47



Door Bumper and Stay Number SC113

Japanned



Made of Number 11 gauge steel, $2\frac{3}{4}$ inches wide and 8 inches long with $2\frac{1}{2}$ inch offset. Additional strength is given Bumper by the wide corrugations.

Packed one dozen in a box with $\frac{5}{16} \times 2$ lag screws.

Length Overall	Length, Bend to Open end	Offset	Width	Gauge of Metal	Quantity and Size of Lag Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
8"	2"	$2\frac{1}{2}$ "	$2\frac{3}{4}$ "	.120	3— $\frac{5}{16} \times 2$	1	2	28

Extra Heavy Door Bumper and Stay Number SC213

Japanned



An extra heavy door bumper made of $\frac{3}{8}$ inch steel, 2 inches wide and 9 inches long, 3 inch offset.

Packed one-half dozen in a box with $\frac{1}{2} \times 3$ lag bolts.

Length Overall	Length, Bend to Open End	Offset	Width	Gauge of Metal	Quantity and Size of Lag Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
9"	$2\frac{1}{4}$ "	3"	2"	$\frac{3}{8}$	2— $\frac{1}{2} \times 3$	$\frac{1}{2}$	1	34

Bumper Shoes Number SC115

Japanned

These guide plates fit over the corners of the door. They are suitable for corner door jobs and for passing doors. They may be used to advantage on any outside door as they offer protection for the corners of the door.

Set consists of 4 plates. Packed one set in a box with screws.



Size of Plate		Gauge of Metal	Weight per Carton
Side	End		
$3\frac{1}{2} \times 3\frac{1}{2}$ "	$\frac{3}{4} \times 3\frac{1}{2}$ "	.065	
Quantity and Size of Screws, Each Plate	Set in Box	Sets in Carton	
5—1x10 F.H.	1	25	32

Steel Door Catch Number 107

Japanned

A steel door catch that will not break. This catch is stronger than similar catches of cast iron and should not be confused with them. Packed one dozen in a box without screws.



Size of Opening	Overall Height	Size of Base	Ctsk. for Screw Number	Dz. in Box	Dz. in Carton	Weight per Carton
1 1/4"	3 3/4"	1 5/16" x 3 3/4"	8	1	5	18

Vertical Lag Screw Stay Roll Number 98

Japanned

Packed one dozen in a box.

Diameter of Wheel	Width of Wheel	Size of Bolt	Dz. in Box	Dz. in Carton	Weight per Carton
2"	3/4"	3/8" x 6"	1	5	31 1/2



Horizontal Lag Screw Stay Roll Number 99

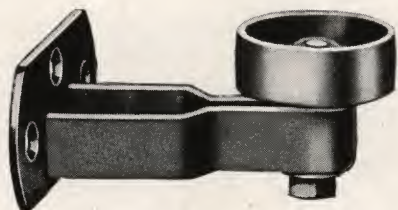
Japanned

Packed one dozen in a box.

Diameter of Wheel	Width of Wheel	Size of Bolt	Length from Center of Bend to End of Bolt	Dz. in Box	Dz. in Carton	Weight per Carton
2"	3/4"	3/8" x 8"	5 1/2"	1	5	38

Union Adjustable Stay Roll Number 110

For Doors $1\frac{1}{8}$ to $2\frac{1}{4}$ Inches



Japanned

This is without doubt the strongest stay roll on the market. It is constructed of heavy steel, riveted into a heavy steel plate.

Packed one dozen in a box without screws.

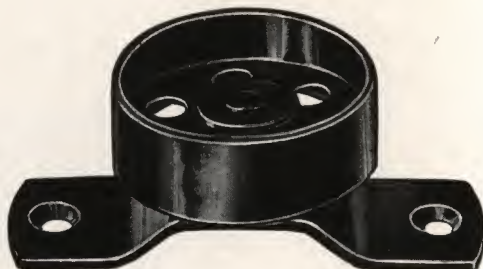
Diameter of Wheel	Width of Wheel	Size of Base	Projection	Screw Holes in Each	Ctsk. for Screw Number	Dz. in Box	Dz. in Carton	Weight per Carton
2"	$\frac{3}{4}$ "	2"x4"	4"	3	11	1	2	25

Faultless Stay Roll Number 112

Japanned

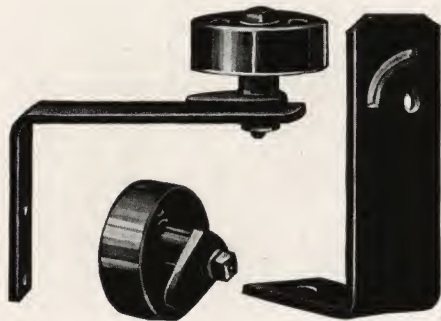
The Faultless steel floor stay roll is designed for inside doors.

This stay roll may be used for concrete floors. Pin or bolts are placed through the holes and fastened in the floor, making a secure attachment.



Packed one dozen in a box without screws.

Diameter of Wheel	Height Overall	Width of Wheel	Size of Base	Screw Holes in Each	Ctsk. for Screw Number	Dz. in Box	Dz. in Carton	Weight per Carton
2"	$1\frac{1}{4}$ "	$\frac{3}{4}$ "	$1\frac{3}{8}$ "x4"	2	10	1	5	29



Faultless Adjustable Stay Roll Number 111

For Doors $1\frac{3}{4}$ to $2\frac{1}{2}$ Inches

Japanned

This stay roll has a circular adjustment which never slips. It fastens to building very firmly, and can be applied to inside as well as outside doors.

Packed one dozen in a box without screws.

Diameter of Wheel	Width of Wheel	Size of Strap	Length of Strap from Bend to		Screw Holes in Each	Ctsk. for Screw Number	Dz. in Box	Dz. in Carton	Weight per Carton
			Short End	Long End					
2"	$\frac{3}{4}$ "	$1\frac{3}{4}$ "x7"	3"	4"	3	11	1	2	27

**Extra Heavy
Warehouse Stay Roll
Number 199¹/₂**

Japanned

An extra heavy stay roll for warehouse or factory doors which is extra high to take care of doors hung on an incline.

Packed one in a carton without screws.



Diameter of Wheel	Height of Wheel Center to Floor	Frame		Holes for Bolts	No. in Carton	Weight per Carton
		Width	Thickness			
3 ¹ / ₂ "	6 ¹ / ₂ "	2 ¹ / ₄ "	1 ¹ / ₈ "	1 ¹ / ₄ "	1	5



**Adjustable
Warehouse Stay Roll
No. 200**

Adjustment 1¹/₂ to 4¹/₂"

Japanned

An extra heavy adjustable stay roll for warehouse or factory doors.

Packed one in a box without screws.

Cut 1/2 Actual Size

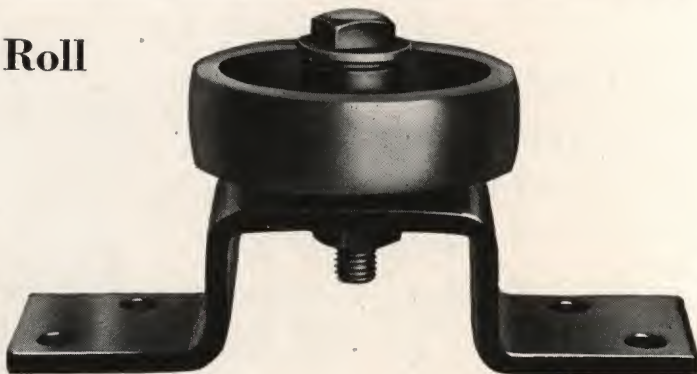
Diameter of Wheel	Height of Wheel Center to Floor	Height overall	Frame			Ctsk. for Screw Number	No. in Carton	Weight per Carton
			Width	Thickness	Base			
2 ¹ / ₂ "	4"	7 ¹ / ₂ "	2"	1 ¹ / ₄ "	7"	14	1	4 ¹ / ₂

Warehouse Stay Roll Number 97

Japaned

This stay roll is designed for heavy warehouse or factory doors.

Packed one-half dozen in a carton.



Cut One-half Actual Size

Diameter of Wheel	Height of Wheel Center to Floor	Frame		Gauge of Metal	Holes in Each	Size of Holes for Bolts	Dz. in Carton	Weight per Carton
		Width	Base Overall					
3½"	2¾"	2½"	7½"	.250	4	7/16"	½	20



Cement Floor Stay Roll Number 126

A stay roll especially designed for use on cement floors.

Packed one dozen in a carton without screws.

Diameter of Wheel	Height of Wheel Center to Floor	Frame		Gauge of Metal	Screw Holes in Each	Ctsk. for Screw Number	Dz. in Carton	Weight per Carton
		Width	Base Overall					
2"	3½"	1⅝"	4⅝" x 4"	.120	3	12	1	13

Guide Roll Strip Number 201



Japaned

Used to prevent chafing of doors by stay rollers. Made of 1¼ x ⅜ inch steel with holes sunk for Number 11 screws.

Furnished in any length.

Weight per 100 feet.....80 pounds

Adjustable Parallel Door Floor Guide Number SC114

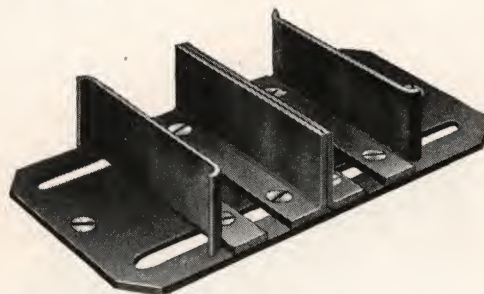
For Doors $\frac{3}{4}$ to $2\frac{1}{2}$ Inches

For use with passing doors.

This device is adjustable for two or three doors. It prevents the doors from rubbing and keeps them in line.

Designed for wood or concrete floors.

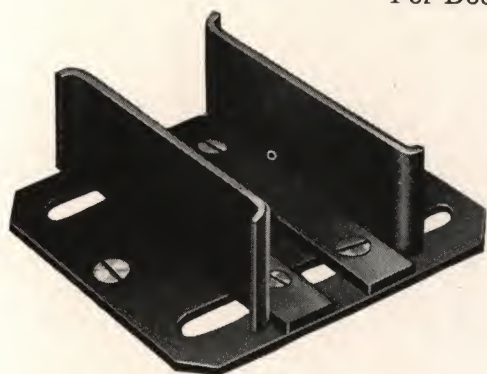
Packed one in a box with screws.



Base	Size of Guides	Gauge of Metal	Quantity and Size of Screws, Each	Each in Box	Each in Carton	Weight per Carton
$7\frac{1}{8}" \times 4"$	$4" \times 1\frac{1}{2}" \times 1"$	.109	11— $1\frac{1}{4} \times 11$ F.H.	1	10	22

Adjustable Center Door Guide Number SC114 $\frac{1}{2}$

For Doors $1\frac{1}{2}$ to $3\frac{1}{4}$ Inches



It is adjustable for any size door and will keep the doors together at the center. Suitable for wood or concrete floors.

Packed one in a box with screws.

Base	Size of Guides	Gauge of Metal	Quantity and Size of Screws, Each	Each in Box	Each in Carton	Weight per Carton
$4" \times 3\frac{1}{2}"$	$4" \times 1\frac{1}{2}" \times 1"$	.109	6— $1\frac{1}{4} \times 11$ F.H.	1	10	12

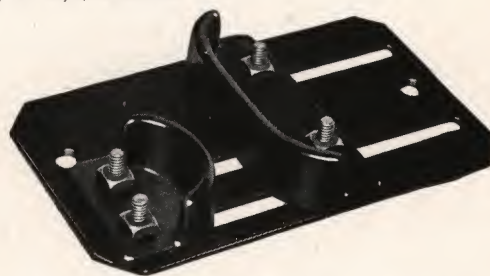
Sliding - Folding Door Guide Number SC113 $\frac{1}{2}$

Adjustable for Doors $\frac{3}{4}$ to $3\frac{3}{4}$ Inches

For use with sets of the sliding-folding type.

Door stops are heavy cast iron. For wood or concrete floors.

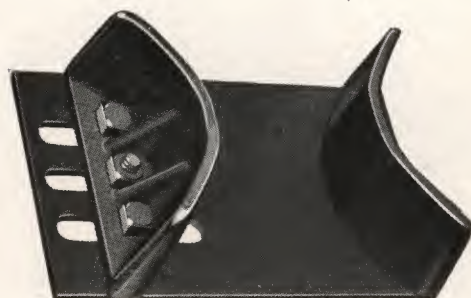
Packed one in a box with lag screws.



Base	Size of Guides	Gauge of Metal	Quantity and Size of Screws, Each	Each in Box	Each in Carton	Weight per Carton
$7\frac{1}{8}" \times 4"$	$2" \times 1\frac{1}{2}" \times 1"$ $4" \times 1\frac{1}{2}" \times 1"$	.095	2— $1\frac{1}{2} \times 12$ F.H.	1	10	20

Adjustable Floor Guide

Number SC196



Cut $\frac{1}{3}$ Actual Size

Adjustment $1\frac{1}{2}$ to $3\frac{1}{4}$ "

Japanned

A heavy floor guide for warehouse or factory sliding doors.

Packed one in a box with lag screws.

Size of		Gauge of Metal	Quantity and Size of Lag Screws, Each	Each in Box	Each in Carton	Weight per Carton
Base	Guide					
$6\frac{1}{4}$ " x 4"	2" x 4"	.165	4— $\frac{1}{4}$ x $2\frac{1}{2}$	1	5	15

Adjustable Floor Guide

and Stop

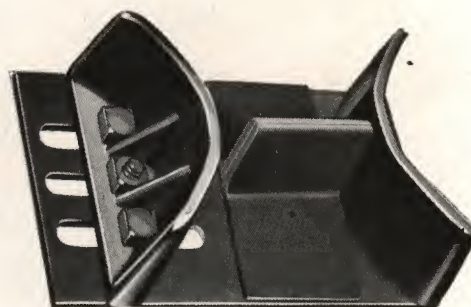
Number SC196 $\frac{1}{2}$

Adjustment $1\frac{1}{2}$ to $3\frac{1}{4}$ "

Japanned

A heavy floor guide and stop for warehouse or factory sliding doors.

Packed one in a box with lag screws.



Cut $\frac{1}{3}$ Actual Size

Size of			Gauge of Metal	Quantity and Size of Lag Screws, Each	Each in Box	Each in Carton	Weight per Carton
Base	Guide	Stop					
$6\frac{1}{4}$ " x 4"	2" x 4"	2" x 2"	.165	4— $\frac{1}{4}$ x $2\frac{1}{2}$	1	5	17 $\frac{1}{2}$

Adjustable Floor End Guide and Stop Number SC197

Adjustment 2 to 3¼"

Japanned

A guide and stop for any type of sliding doors.

Packed one in a box with lag screws.



Cut ⅓ Actual Size

Base	Size of Guide	Gauge of Metal	Quantity and Size of Lag Screws, Each	Number in Box	Number in Carton	Weight per Carton
5"x3½"	3½"x2"x1¾"	¼	2—¼x2½	1	10	23

Floor Center Stop Number SC198



Japanned

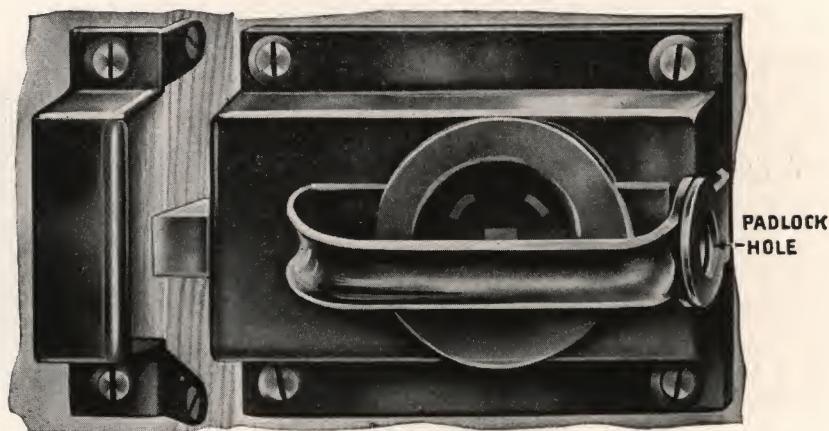
A cast floor guide and center stop for sliding doors up to 2 inches thick.

Packed one in a box with screws.

Cut ⅓ Actual Size

Size of Base	Height	Inside Width	Quantity and Size of Screws, Each	Number in Box	Number in Carton	Weight per Carton
8¼"x3¼"	2½"	2¾"	4—1½x14 F.H.	1	5	21

Swinging Door Latch Number SC122

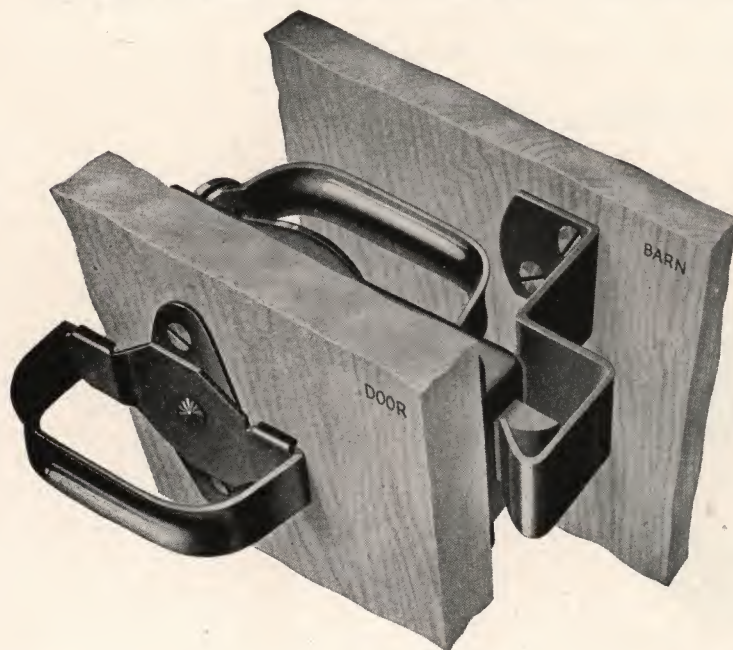


A very compact latch which has no projections to catch clothes or harness. Spindle is adjustable for doors up to 2 inches thick. **Also furnished with long spindle for doors up to 4 inches thick, specify SC122-LS.** An easy latch to apply as it is only necessary to drill one hole and drive the screws.

The latch is made entirely of steel, with

brass spring and is simple in construction and cannot get out of order. The heavy strike has concealed screw holes making it burglar-proof and latch may be padlocked by using padlock holes in the handle.

Packed one in a box with screws and catch to hold door open (shown below) one dozen in a carton.



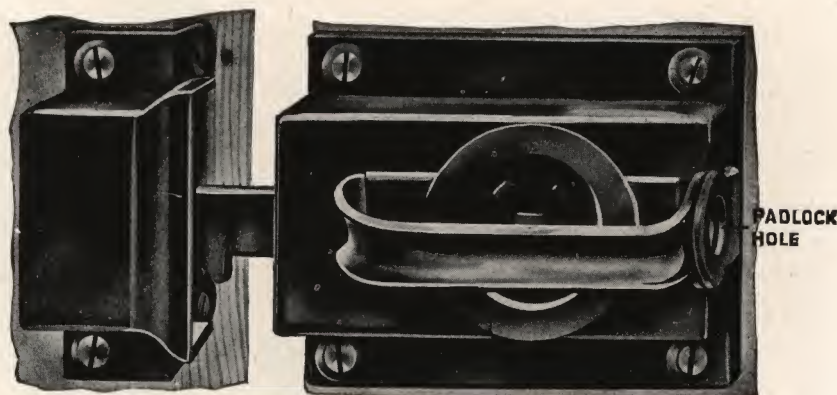
Number SC122 $\frac{1}{2}$ Latch

This is the same latch as SC122 but has a cast nose which is reversible so that the latch may be applied with equal facility to doors opening either in or out and either right or left hand.

Packed one in a box with screws and catch to hold the door open; one dozen in a carton.

Item Number	Length of Handle	Case	Throw	Strike	Quantity and Size of Screws, Each	Set in Box	Dz. in Carton	Weight per Carton
SC122	3 $\frac{5}{8}$ "	4 $\frac{5}{8}$ "x3 $\frac{1}{2}$ "	$\frac{5}{8}$ "	3 $\frac{1}{2}$ "x1"	13— $\frac{7}{8}$ x9 F.H.	1	1	25
SC122 $\frac{1}{2}$	3 $\frac{5}{8}$ "	4 $\frac{5}{8}$ "x3 $\frac{1}{2}$ "	$\frac{5}{8}$ "	3 $\frac{1}{2}$ "x1"	13— $\frac{7}{8}$ x9 F.H.	1	1	26

Sliding Door Latch Number SC123



Adjustable to doors from 1 inch to $2\frac{3}{4}$ inches in thickness.

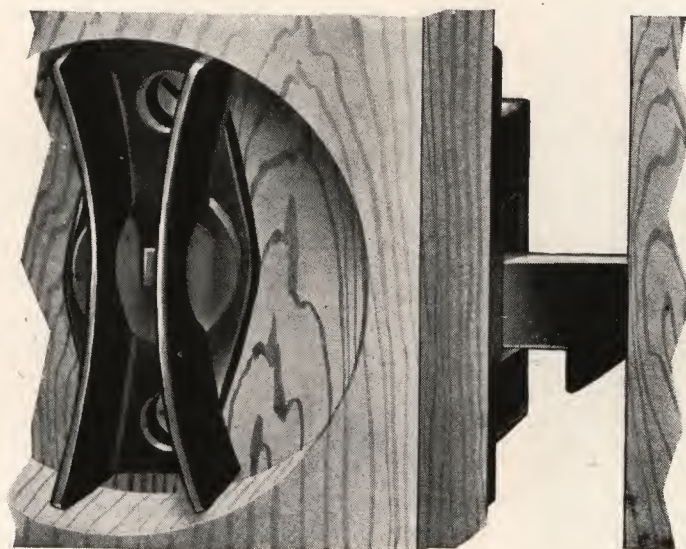
The inside handle is of smaller design and will not interfere with the sliding of the door.

As in the case of the swinging door latch, Number 122, this latch has a very simple mechanism. It is certain to latch when the door is closed and will not unlock until purposely opened.

Strike has concealed screw holes and overlapping cover. Catch cannot be pried open when latch is locked.

The design is very compact and with the exception of the inside handle and the plain strike, the same as No. 122 latch.

Packed one in a box with screws; one dozen in a carton.



Length of Handle	Case	Strike	Quantity and Size of Screws, Each	Set in Box	Dz. in Carton	Weight per Carton
$3\frac{5}{8}"$	$4\frac{5}{8}" \times 3\frac{1}{2}"$	$3\frac{1}{2}" \times 2" \times \frac{5}{8}"$	10— $\frac{7}{8} \times 9$ F.H.	1	1	21

Good Hardware since 1876

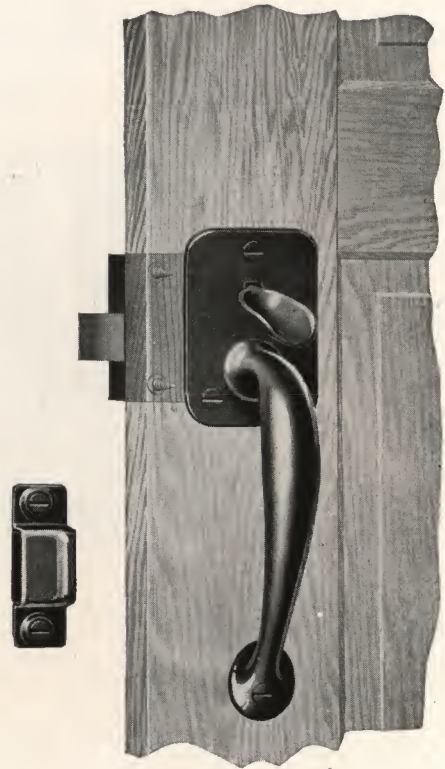
Garage Rim Latch Number SC222

Dead Black Japan

A handsome Japanned latch with heavy cast handle for the garage owner who takes a real interest in the appearance of his garage door. It is reversible for right or left-hand doors and can be used on a door of any thickness. The mechanism is all-steel, simple, strong and foolproof. A latch that is easily applied and adaptable to many uses.

Packed one in a box with screws.

Length of Handle	Length of Grip	Esc.	Latch Case		Nose Projection
6½"	4"	2½"x3½"	2⅞"x2⅝"x¾"		¾"
Quantity and Size of Screws, Each Handle, Strike and Esc.		Latch Case	Each in Box	Each in Carton	Weight per Carton
6—⅞x9 F.H.		3—1½x10 F.H.	1	6	13



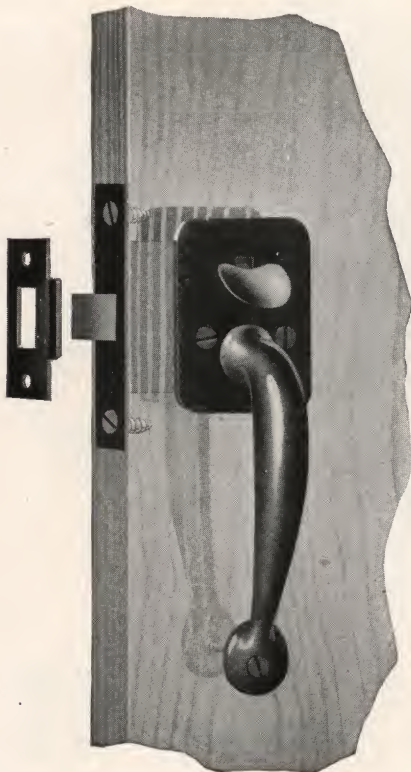
Garage Mortise Latch Number SC223

Dead Black Japan

A mortise latch with the graceful, sweeping lines of our SC222. Like that latch it is reversible and adaptable to doors of any thickness and with back set of 2¼ inches. Case 2⅝x2⅝x¾ inches. Frontpiece 4¾x1 inch. ¾ inch nose projection or throw. Furnished with two handles.

Packed one in a box with screws.

Length of Handle	Length of Grip	Esc.			
6½"	4"	2"x4"			
Quantity and Size of Screws, Each Handle and Esc.		Lock and Strike	Each in Box	Each in Carton	Weight per Carton
8—1x10 F.H.		4—⅞x9 F.H.	1	6	19





Flush Pull

Number SC212

Japanned

Packed one dozen in a box with screws.

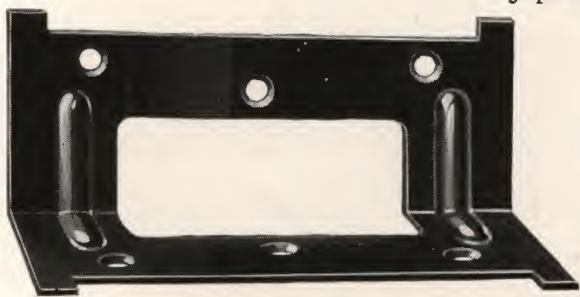
Cut Approximately 1/2 Actual Size

Size of Plate	Size of Cup	Depth	Gauge of Metal	Quantity and Size of Screws, Each	Dz. in Box	Dz. in Carton	Weight per Carton
4"x6"	1 3/8"x3 1/4"	7/8"	.109	4—1x10 F.H.	1/2	1	12 1/2

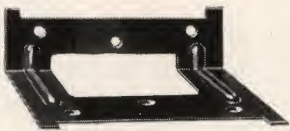
Foot Scraper

Number 312

Japanned



Cut Approximately 1/2 Actual Size
For Concrete



Cut Approximately 1/4 Actual Size
For Wood

A foot scraper that is equally convenient for fastening to wood or setting in concrete. Strong and durable.

Packed one dozen in a box without screws.

Size	Height for		Gauge of Metal	Ctsk. for Screw Number	Dz. in Box	Dz. in Carton	Weight per Carton
	Cement	Wood					
6"x4 1/2"	2 5/8"	1 7/8"	.083	11	1	2	12

Rail
Number 311



Use Number 30-35 Hangers with this Rail



For doors weighing up to 350 pounds.

A barn door track with all the new features of our No. 301 and equipped with long storm-proof cover. Both rail and cover are made of 16-gauge steel and they are electrically welded both on the top and the side, making a unit track with no possibility of the cover ever loosening.

The inside dimensions of this rail are the same as Number 301 shown on Page 212.

This rail has our famous interlocking slip joint which makes couplings and brackets unnecessary and insures perfect alignment.

Corrugations on the back of the rail hold the rail out from the building and prevent the wood back of the rail rotting as proper air space is provided. Corrugations add to the appearance and strength of the cover.

Rail furnished without lag screws.

Fourteen $\frac{5}{8}$ x 2 inch lag screws and two end caps are packed with each pair of

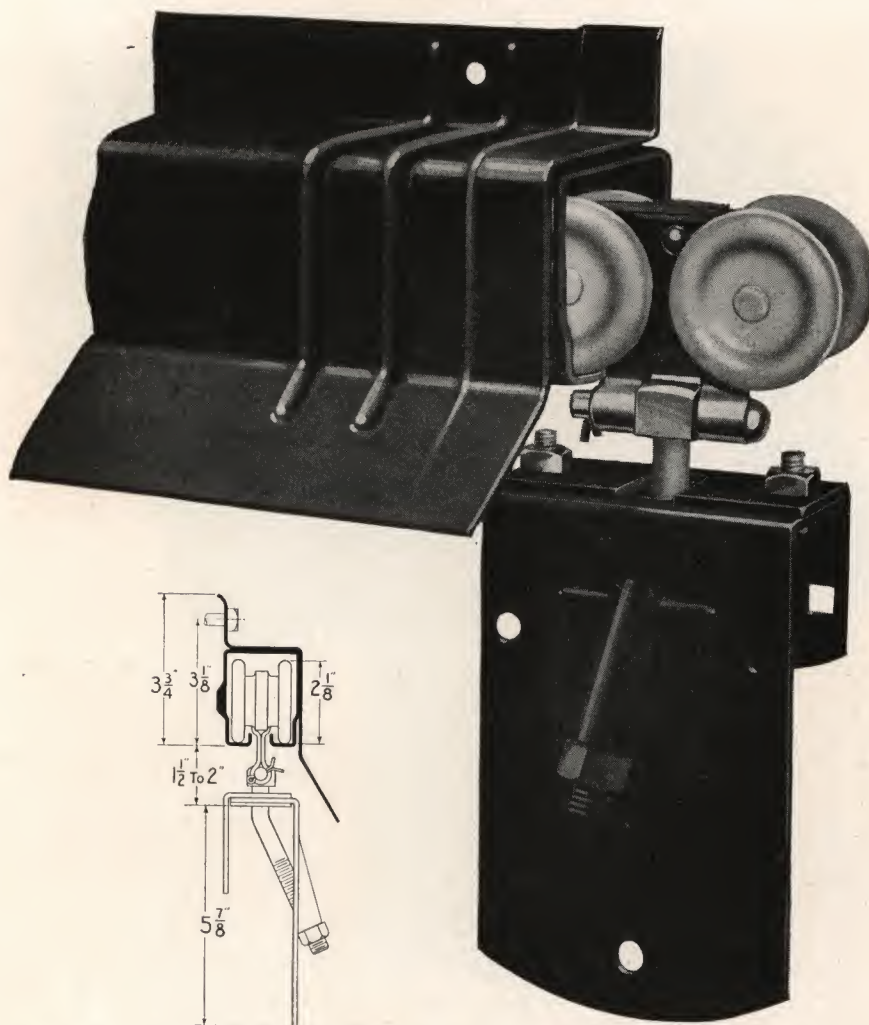
hangers. A long run of track without a joint makes the best job. Furnished in 4, 6, 8, 10, 12, 14, 16, 18 and 20 foot lengths; two pieces to a bundle.

Regular finish a special grade of Japan. Can be furnished in Galvanized on special order.

Weight per 100 feet.....340 pounds

	Feet to Standard Bundles								
Length of Rail, feet	4	6	8	10	12	14	16	18	20
Feet to Bundle	8	12	16	20	24	28	32	36	40
Weight per Bundle, pounds.....	27	41	54	68	82	95	109	122	136

Hanger Number 30-35



A Fully Adjustable Hanger Made Especially for Our Number 311 Rail

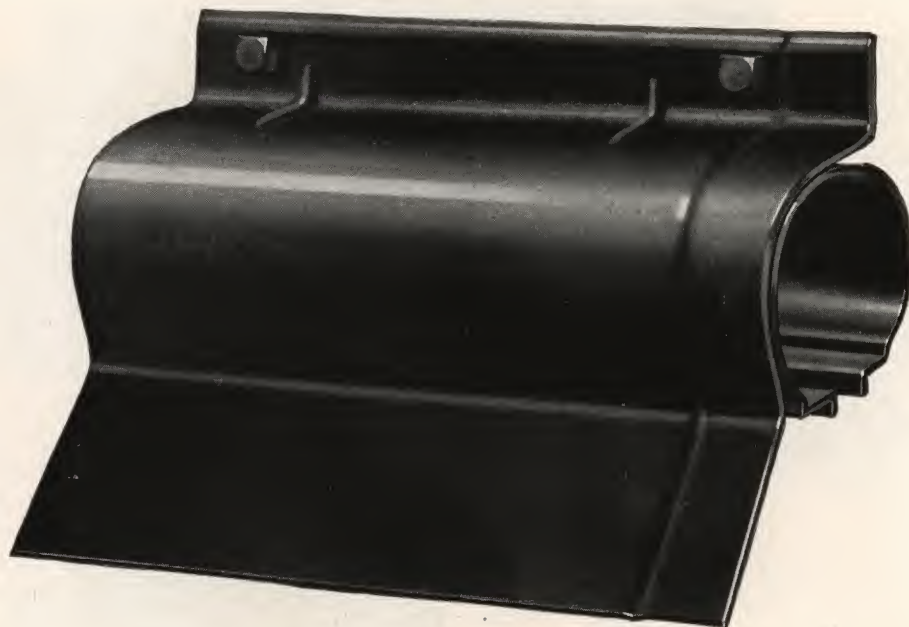
The truck has a bearing of unusually large surface as shown on Page 213. The wheels are of large diameter, a feature which is an important factor in producing easy operation. The drop strap is made of No. 11 gauge steel and is japanned and baked. All adjustments and wheels are zinc plated to prevent rust and adjustments are placed where they are easily accessible without taking the door down. There is a generous vertical and lateral adjustment, and drop

strap is so arranged as to take doors from $1\frac{3}{4}$ inches to 3 inches in thickness. Attachment is easy, as it is only necessary to cut a slight groove in the door for the adjusting bolts.

Hangers are furnished in Japanned finish; available on special order in Zinc Plated. Packed one pair in a box with bolts and screws, two end caps with screws and fourteen lag screws for rail; six pair in a carton.

Bolts for Hangers, Each	Quantity and Size of Lag Screws for Rail	Screws for End Caps, Each	Pr. in Box	Pr. in Carton	Weight per Carton
3— $\frac{5}{16}$ x2 $\frac{1}{4}$	14— $\frac{5}{16}$ x2	2— $1\frac{1}{2}$ x12 F.H.	1	6	55

Rail Number 303



Japanned

Use Number 35 or 36 Hangers with this Rail

For doors weighing up to 350 pounds.

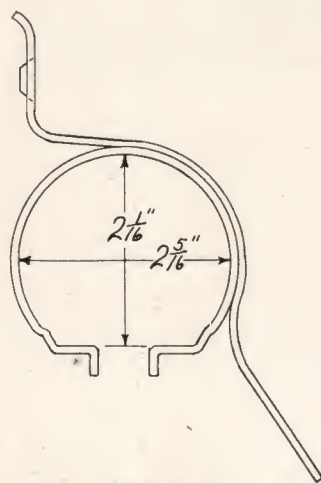
Famous as the most satisfactory watershed round track ever made. Bird-proof, water-proof and self-cleaning. The contact with the building throws a considerable part of the load against the building and relieves the strain on the lag screws, the air space above this contact line keeps the wood around the screws from rotting, the flat tread eliminates any tendency to spread, the corrugations in cover and rail and the girder construction underneath the tread makes the track stiff and strong. Rail is made of 15 gauge and Cover of 16 gauge steel.

Rail furnished without lag screws.

Twelve $\frac{5}{16} \times 2$ inch lag screws and two end caps are packed with each pair of hangers.

Furnished in 4, 6, 8 and 10 foot lengths; two pieces to a bundle.

Weight per 100 feet.....325 pounds

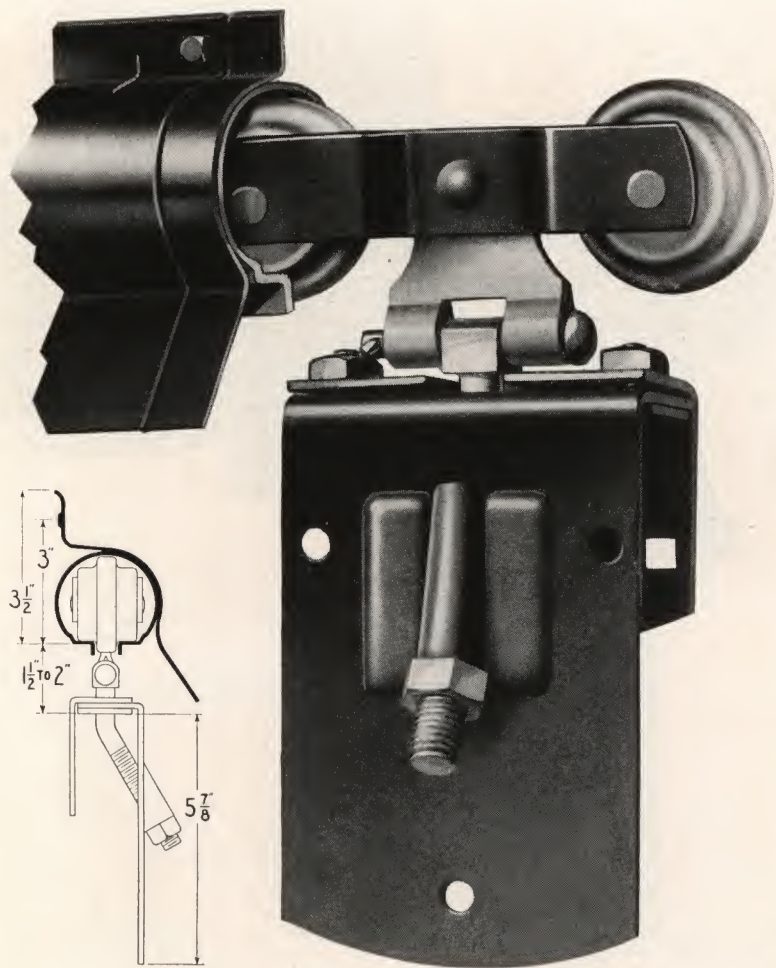


End View
Cut $\frac{1}{2}$ Size

Feet to Standard Bundles

Length of Rail, feet.....	4	6	8	10
Feet to Bundle	8	12	16	20
Weight per Bundle, pounds...	26	39	52	65

Hanger
Number 35



Japanned

Use with Numbers 303 or 304 Rail

The vertical adjustment is heavily Zinc Plated to insure its workability even after the hanger has been exposed to the weather for some time and is so placed as to be readily accessible after the door has been hung. The drop strap is arranged to take any thickness door from 1 3/4 inches to 3 inches and there is also a very generous adjustment provided, so that the door always hangs at just the proper distance from the barn. Drop straps are Japanned and baked.

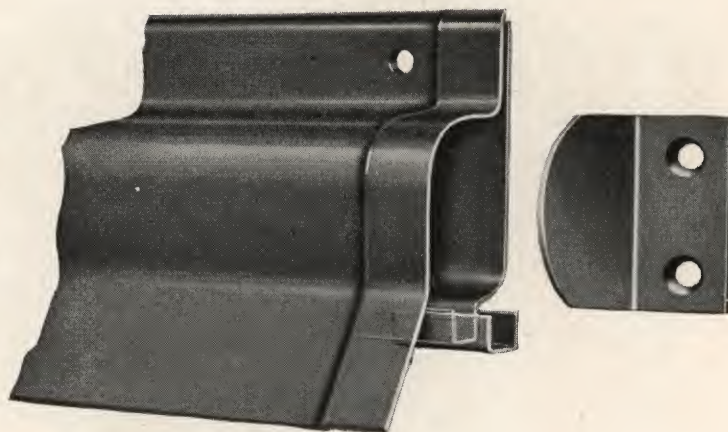
Attachment is easy, as it is only necessary to cut a slight groove in the door for the adjusting bolt.

Trucks have pressed steel, Zinc Plated wheels with roller bearings.

Hangers are packed one pair in a box with two end caps, screws and bolts for same, twelve lag screws for rail; six pairs in a carton.

Bolts for Hangers, Each	Quantity and Size of		Pr. in Box	Pr. in Carton	Weight per Carton
	Lag Screws for Rail	Screws for End Caps, Each			
3—5/16x2 1/4	12—5/16x2	2—1 1/2x12 F.H.	1	6	60

Rail Number 305



Japanned

Use Number 39 Hangers with this Rail

For doors weighing up to 250 pounds.

A one-piece, covered track that affords ample protection to the door. Bird-proof, easy to install, and inexpensive. The rail and cover are welded together. This track will give a very satisfactory installation. Ample strong and fully guaranteed.

Notice that the cover supports no weight but simply shelters the track.

The flat tread makes the hanger exceptionally easy-running and stable.

Rail furnished without lag screws.

Twelve $\frac{5}{16} \times 2$ inch lag screws and two end caps are packed with each pair of hangers.

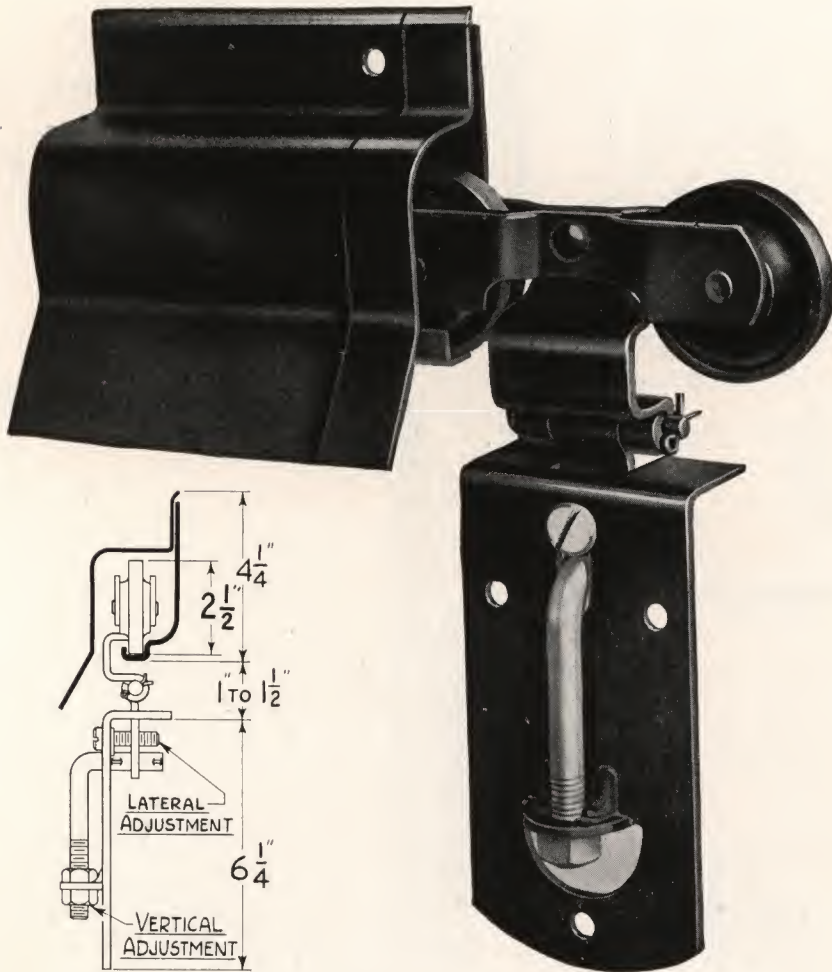
Furnished in 4, 6, 8 and 10 foot lengths; two pieces to a bundle.

Weight per 100 feet.....250 pounds

Feet to Standard Bundles

Length of Rail, feet	4	6	8	10
Feet to Bundle	8	12	16	20
Weight per Bundle, pounds	20	30	40	50

Hanger Number 39



Japanned Use with Number 305 Rail

We use a steel on cast iron bearing in this hanger, a cast wheel, a $\frac{7}{8}$ axle and eight roller bearings $\frac{1}{4} \times \frac{3}{4}$ inches. The tread is flat to insure greater stability and is carefully lathe turned. The arrangement of the equalizing pin forces each wheel to carry an equal load and the arrangement of the connecting pin makes hanging the door a simple task as the drop strap can be attached to the door before the latter is hung. The

door fits up close under its watershed rail. The drop straps are Japanned and baked.

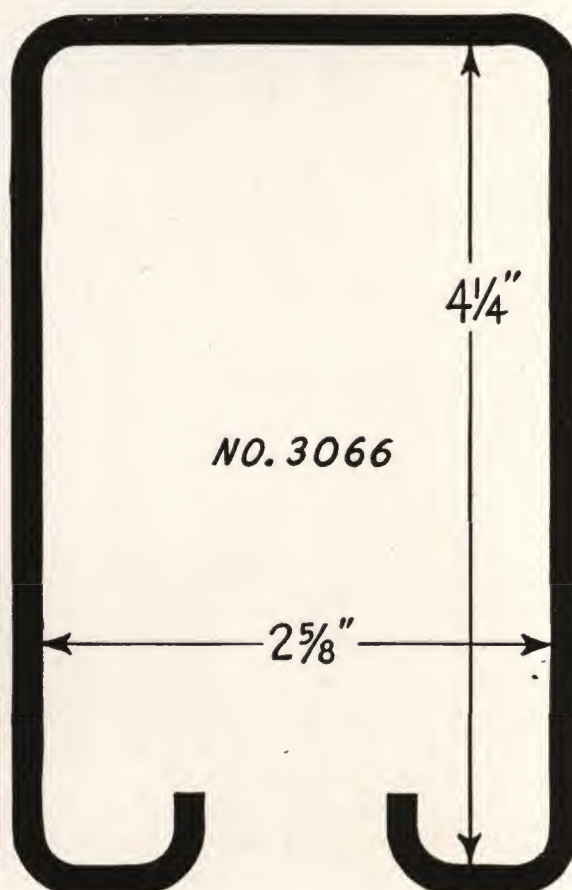
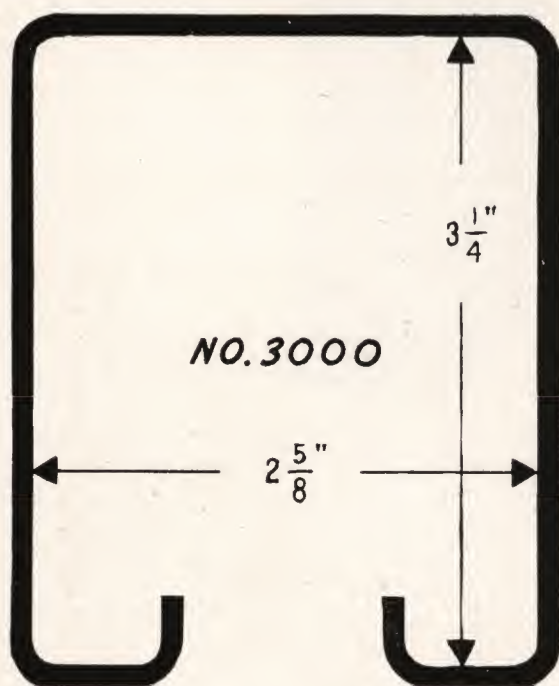
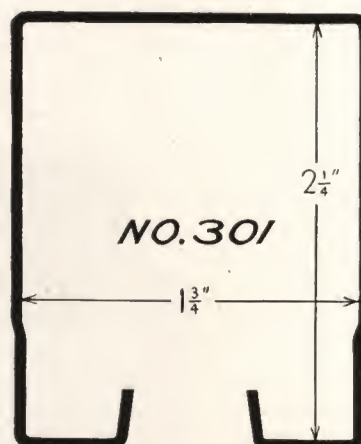
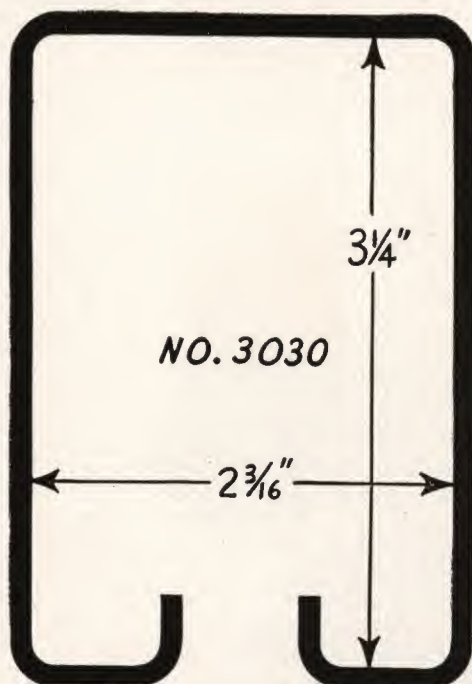
This hanger is fully adjustable and adjustments are unusually accessible.

All adjustments Zinc Plated.

Hangers are packed one pair in a box with two end caps, screws and bolts for same, twelve lag screws for rail; six pairs in a carton.

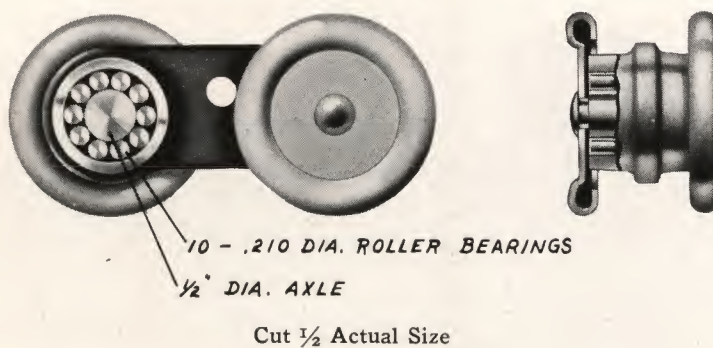
Bolts for Hangers, Each	Quantity and Size of Lag Screws for Rail	Screws for End Caps, Each	Pr. in Box	Pr. in Carton	Weight per Carton
3— $\frac{5}{8} \times 2\frac{1}{4}$	12— $\frac{5}{8} \times 2$	2— $1\frac{1}{2} \times 12$ F.H.	1	6	50

END VIEWS
OF THE
FOUR WEIGHT
GROUPS OF
BOX TRACK



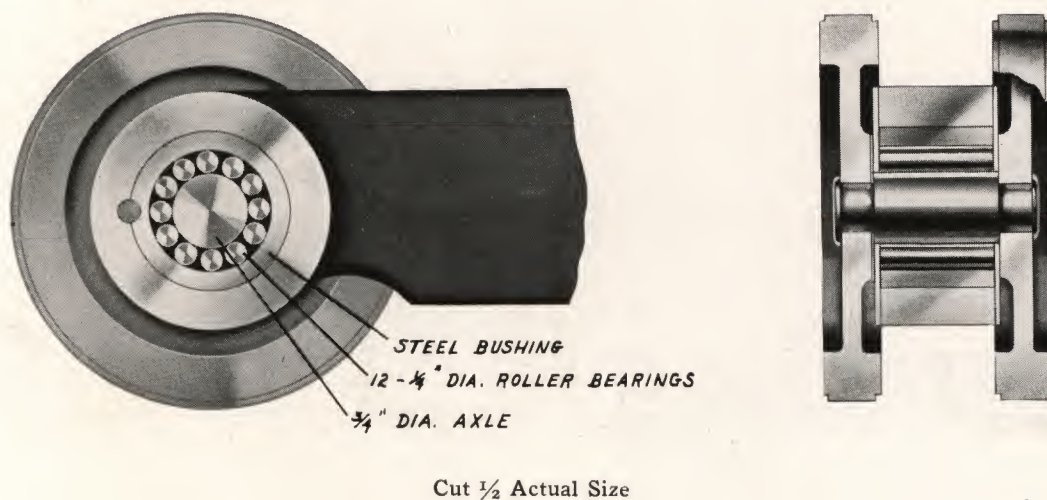
Item Number		Longest Length Single Piece	Dimensions of Rail	Gauge of Metal	For Doors Weighing, Pounds	Finish	Weight per Foot, Pounds
Not Punched	Punched for Lock Bracket						
301	316	20'	2 1/4" x 1 3/4"	16	Up to 350	Japan	1.7
3030	3036	10'	3 1/4" x 2 3/16"	14	350 to 600	Japan	3.0
3000	3006	10'	3 1/4" x 2 5/8"	13	600 to 900	Japan	3.25
	3066	10'	4 1/4" x 2 5/8"	10	900 to 1200	Japan	6.5

Construction of Number 32 Truck



Above illustration shows construction of Number 32 truck. Cast iron truck; $\frac{1}{2}$ inch diameter steel axle; .210 diameter 40 point carbon steel roller bearings and $2\frac{3}{8}$ inch pressed steel wheels.

Construction of Number 30N6 Truck



Above illustration shows construction of Number 30N6 truck. Cast iron truck; $\frac{3}{4}$ inch diameter steel axle; $\frac{1}{4}$ inch diameter 40 point carbon steel roller bearings; steel bushing and cast iron lathe turned wheels.

Rail Number 301

Japanned



For doors weighing up to 350 pounds, use Number 32, 30½ or 30N Hangers with this Rail. Also any of the following Numbers: 41A, 42A, 41T, 41E, 30X, 31X, 63, 63X, 22, 22S, 22½, 22½S, 22½T, 24½, 24½S.

The offset just above the tread makes this the best rail of its type yet devised since it not only prevents any part of the hanger from scraping against the rail, but stiffens and strengthens the latter. Notice the offset and the height of the rail (shown in End View Illustration on Page 212), which allows us to use an easy rolling wheel of large diameter. Note also that our brackets are corrugated.

This rail is made of 16 gauge steel and furnished in Japanned finish. Also available in Galvanized.

A long run of rail without a joint makes the best job. Furnished in 4, 6, 6½, 7, 8, 9, 10, 12, 14, 16, 18 and 20 foot lengths; 4 to 10 foot lengths, 8 pieces to a bundle; 12 foot lengths and over, 4 pieces to a bundle.

Brackets should be spaced every 2½ feet. Order brackets from illustrations shown on Page 216.

Weight per 100 feet.....170 pounds

Feet to Standard Bundles

Length of Rail, feet	4	6	6½	7	8	9	10	12	14	16	18	20
Feet to Bundle	32	48	52	56	64	72	80	48	56	64	72	80
Weight per Bundle, pounds	54	82	88	95	109	122	136	82	95	109	122	136

Curved Rail Number 301-C

Japanned

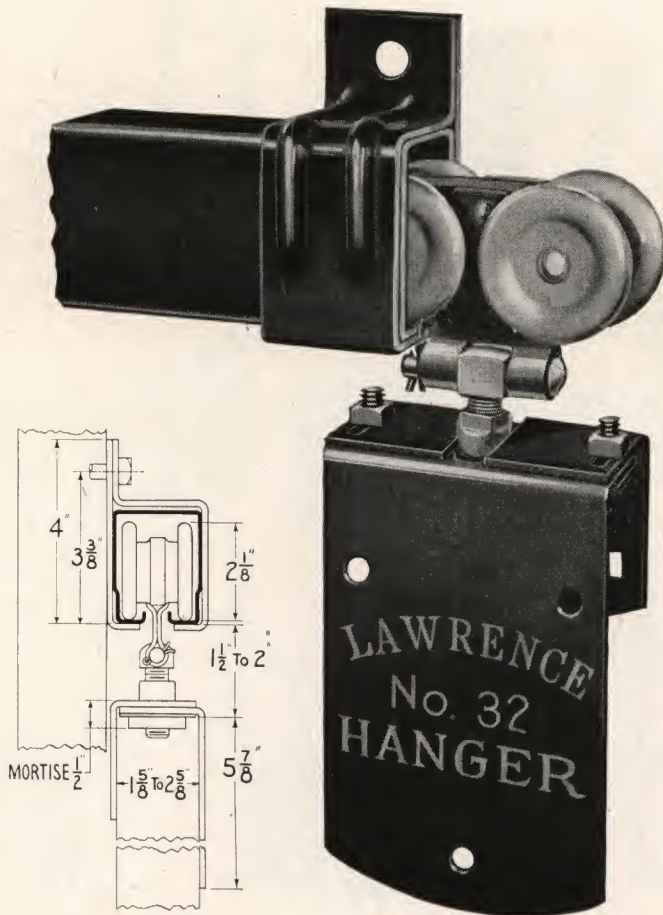


Two sizes; 24 and 36 inch radius, 90 degree. When radius not specified will furnish 24 inch. Brackets are welded to rail and end brackets project beyond curved rail to support end of connecting rails.

Packed two in a bundle.

Radius	Feet of Rail in Curve, Each	Number of Brackets	Curves per Bundle	Weight per Bundle
24"	3' 1½"	3	2	14
36"	4' 8½"	4	2	20

Hanger Number 32



Use with Numbers 301 or 316 Rail

Accessible adjustments; vertical, horizontal and for thickness. Connecting pin allows drop strap to be fitted to door before door is hung. The wheels are of large diameter, a feature which is an important factor in producing easy operation. The truck has a bearing of unusually large surface as shown on Page 213. Drop strap is japanned and baked and is of the yoke-shaped type. The wheels and adjusting bolts are zinc plated to prevent rusting. Hangers are furnished in Japanned finish; available on special order in Zinc Plated.

No. 32 Hangers

Packed one pair in a box with screws and bolts, 3 No. 1 Center Brackets, 2 End Caps for rail; six pairs in a carton.

No. 32LB Hangers

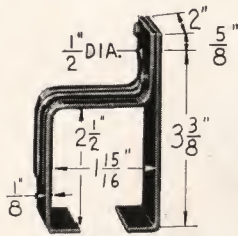
Packed one pair in a box with screws and bolts, two end caps for rail and **no rail brackets**; six pairs in a carton.

No. 32-1L Hangers

Packed one pair in a box with screws and bolts, two end caps for rail, 2 No. 1 Center Brackets and one No. 1L Lock Bracket; six pairs in a carton.

Item Number	Quantity of Brackets for Rail, Numbers		End Caps for Rail	Bolts for Hangers, Each	Quantity and Size of		Screws for End Caps, Each	Pr. in Box	Pr. in Carton	Weight per Carton
	1-301	1L-316			Lag Screws for Brackets, Each					
32	3		2	3— $\frac{5}{16}$ x2 $\frac{1}{4}$	3— $\frac{7}{16}$ x2		2—1 $\frac{1}{2}$ x12 F.H.	1	6	65
32LB			2	3— $\frac{5}{16}$ x2 $\frac{1}{4}$			2—1 $\frac{1}{2}$ x12 F.H.	1	6	50
32-1L	2	1	2	3— $\frac{5}{16}$ x2 $\frac{1}{4}$	3— $\frac{7}{16}$ x2		2—1 $\frac{1}{2}$ x12 F.H.	1	6	65

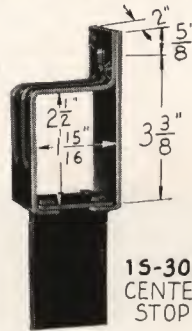
Brackets For Number 301 Rail



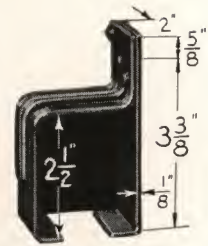
1-301
CENTER



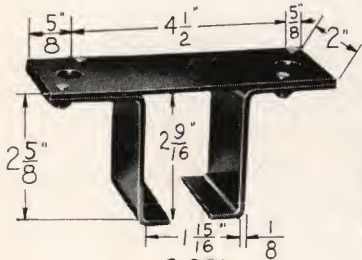
NO. 1-301 BRACKET
WITH END TINS
SPECIFY **1E-301**



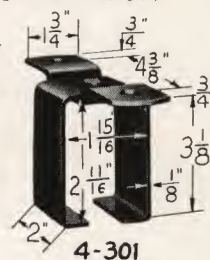
15-301
CENTER
STOP



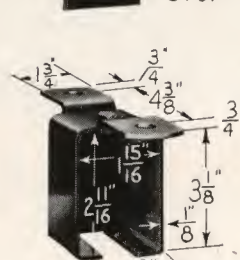
2-301
BRACKET WITH FIXED
END CAP SPECIFY
RIGHT OR LEFT



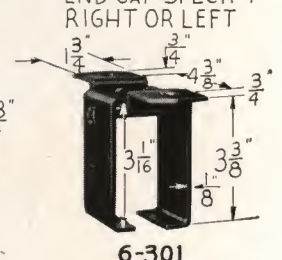
3-301
OVERHEAD



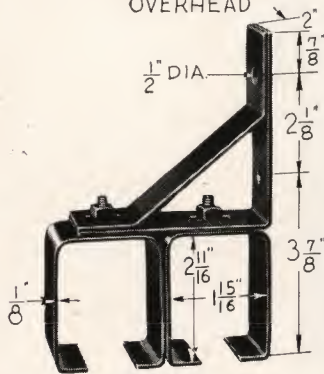
4-301
OVERHEAD



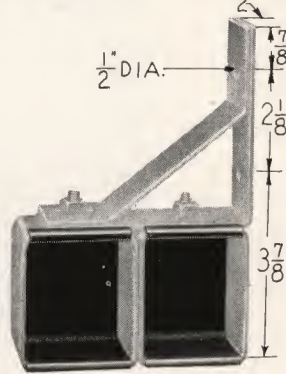
4ES-301
OVERHEAD
BRACKET
WITH FIXED
END CAP



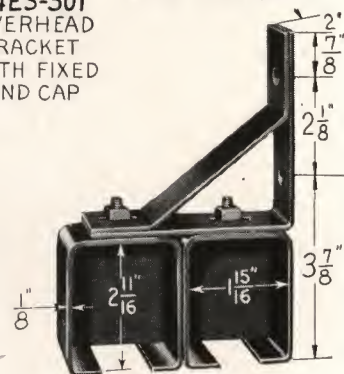
6-301
SPLIT OVERHEAD



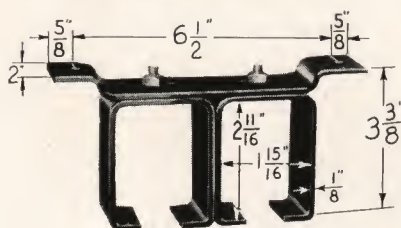
5-301
CENTER PASSING



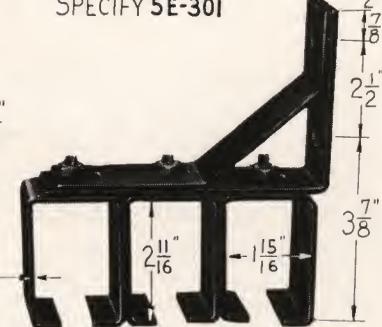
5-301 BRACKET
WITH END TINS
SPECIFY **5E-301**



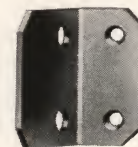
5ES-301
BRACKET WITH FIXED
END CAP SPECIFY
RIGHT OR LEFT



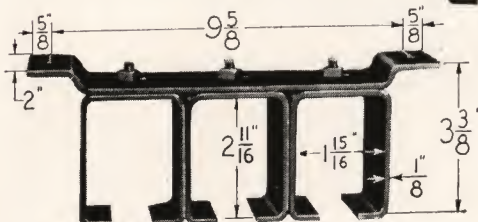
9-301
DOUBLE
OVERHEAD



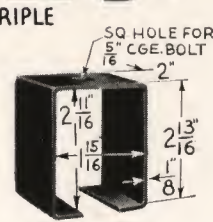
10-301 TRIPLE



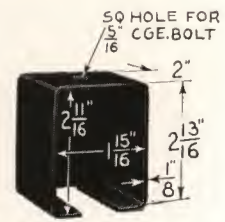
END CAP
FOR 301 RAIL



12-301
TRIPLE OVERHEAD



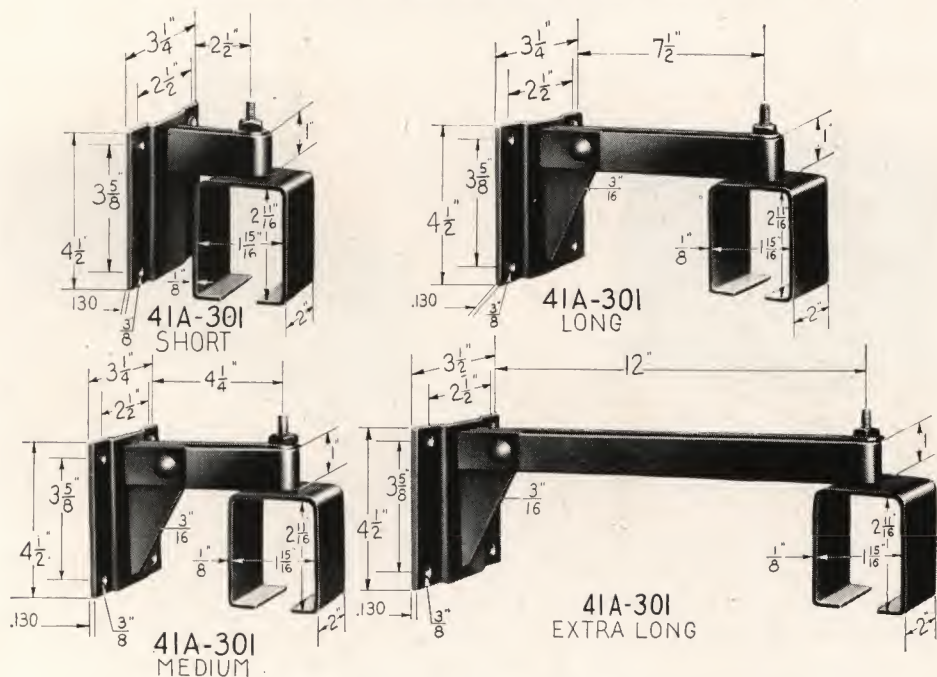
13-301
OVERHEAD



14-301
OVERHEAD BRACKET
WITH FIXED END CAP

For standard packing see Page 217.

Extension Brackets For 301 Rail



Four 7/8x2 inch lag screws furnished with each bracket.

Item Number		Weight per bracket with lag screws
41A301	Short	1 5/8
41A301	Medium	2
41A301	Long	2 5/8
41A301	Extra Long	3 1/8

STANDARD PACKING FOR NUMBER 301 RAIL BRACKETS

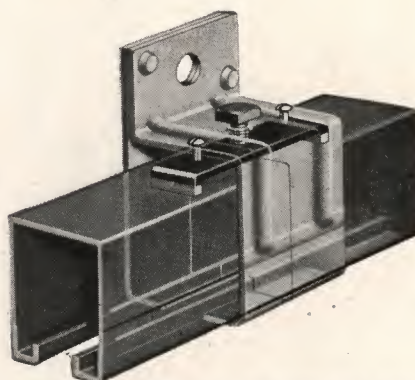
Brackets should be spaced every 2 1/2 feet on rail. 7/8x2 inch lag screws are furnished with all brackets. The double and triple brackets have lateral adjustment.
Packed in cartons with lag screws.

Item Number	Type	Number in Carton	Weight per Carton
1-301	Center	50	43
1E301	End with end tins	20	19
1S301	Center Stop	10	15
2-301	End, with fixed end cap. Specify R.H. or L.H.	20	20
3-301	Overhead	25	32
4-301	Overhead	25	28
4ES301	Overhead with fixed end cap	10	12
5-301	Center Passing	10	25
5E301	End Passing with end tins	10	27
5ES301	End Passing with fixed end caps. Specify R.H. or L.H..	10	28
6-301	Split, Overhead	25	29
9-301	Double, Overhead	10	22
10-301	Triple	10	34
12-301	Triple, Overhead	10	34
13-301	Overhead	25	15
14-301	Overhead with fixed end cap	10	8

Rail for Lock Brackets Number 316



Number 316 Rail
Japaned



Application of Lock Bracket and Rail

Use Numbers 32, 30½ or 30N Hangers with this Rail. For doors weighing up to 350 pounds.

This is the same rail as our No. 301 (shown on Page 214), but has slots punched in each end to take the lock brackets illustrated below.

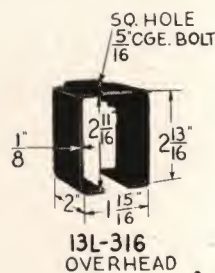
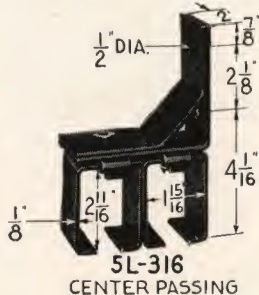
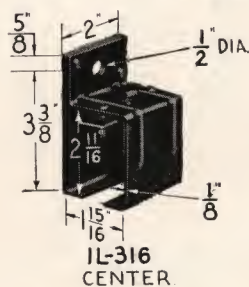
Furnished in 4, 6, 7, 8, 9, 10, 12, 14, 16, 18 and 20 foot lengths; 4 to 10 foot lengths, 8 pieces to a bundle; 12 foot lengths and over, 4 pieces to a bundle.

Weight per 100 feet.....170 pounds

Feet to Standard Bundles

Length of Rail, feet.....	4	6	7	8	9	10	12	14	16	18	20
Feet to Bundle.....	32	48	56	64	72	80	48	56	64	72	80
Weight per Bundle, pounds.	54	82	95	109	122	136	82	95	109	122	136

Lock Brackets for Number 316 Rail



Where it is convenient to use short lengths of rail, it is sometimes desired to join the two pieces of rail with a lock bracket. Our lock brackets hold the two ends of the rail rigidly in place so they can't spread and give support to the rail at this strategic point with a strong bracket.

These lock brackets are made to be used

with our Number 316 rail which has slots punched in the rail.

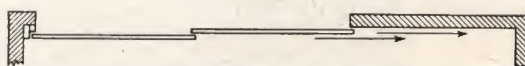
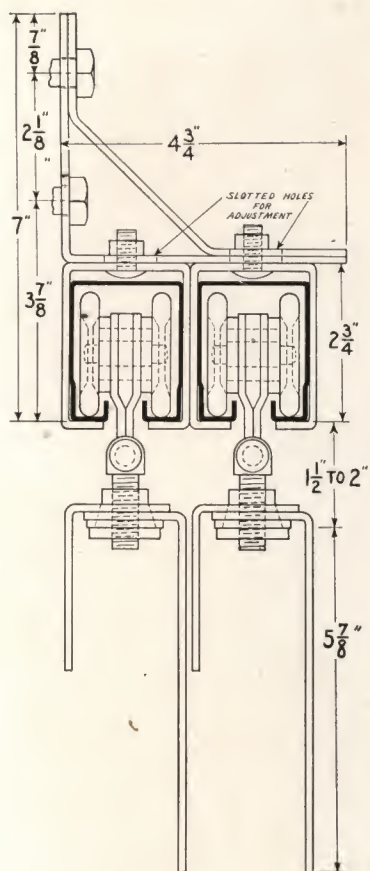
These lock brackets are strong, well made and very easy to apply.

Furnished in Japan finish and packed in cartons with lag screws.

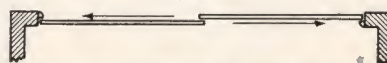
For intermediate brackets to be used with Number 316 rail specify type 301 shown on Page 216.

Item Number	Type	Each in Carton	Weight per Carton
1L316	Center	25	26
5L316	Center Passing	10	28
13L316	Overhead	10	9

Passing Doors



Passing Doors sliding to wall space on one side.



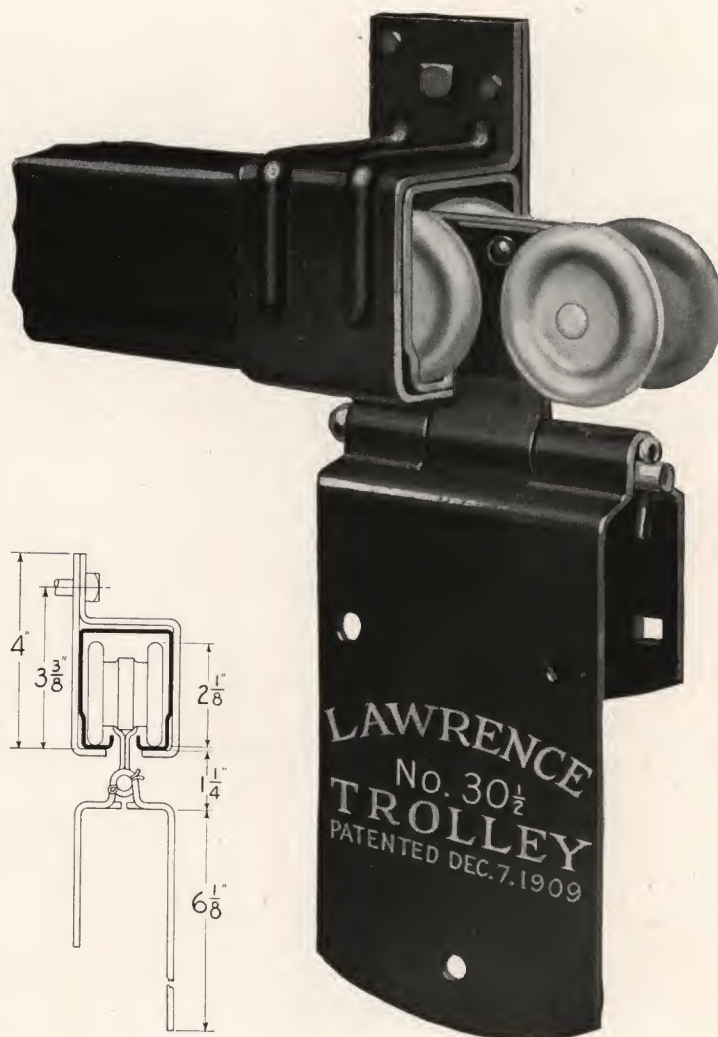
Passing Doors sliding from jamb to jamb.



No. 32 Hanger

We recommend our No. 32LB Hangers for passing doors. No. 30 1/2 LB and No. 30-N may also be used. Use them with No. 301 Track and No. 5-301 Brackets. We can also furnish brackets so that three or four tracks may be installed parallel. No. 32LB is packed one pair in a carton. Accessible adjustments help the carpenter to install the doors and take care of any trouble that may arise later from warped doors. Use No. 5-301 Brackets 2 1/2 feet apart.

Hanger Number 30½



Use with Numbers 301 or 316 Rail

The truck of this hanger has a bearing of unusually large surface as shown on Page 213. The wheels are of large diameter, a feature which is an important factor in producing easy operation. The drop strap can be fastened to the door before door is hung.

The wheels are zinc plated and balance of hanger is japanned.

No. 30½ Hangers

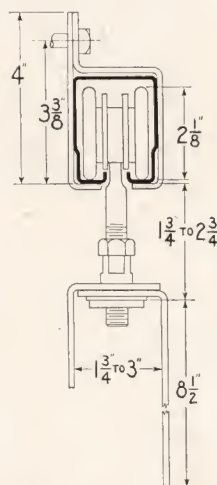
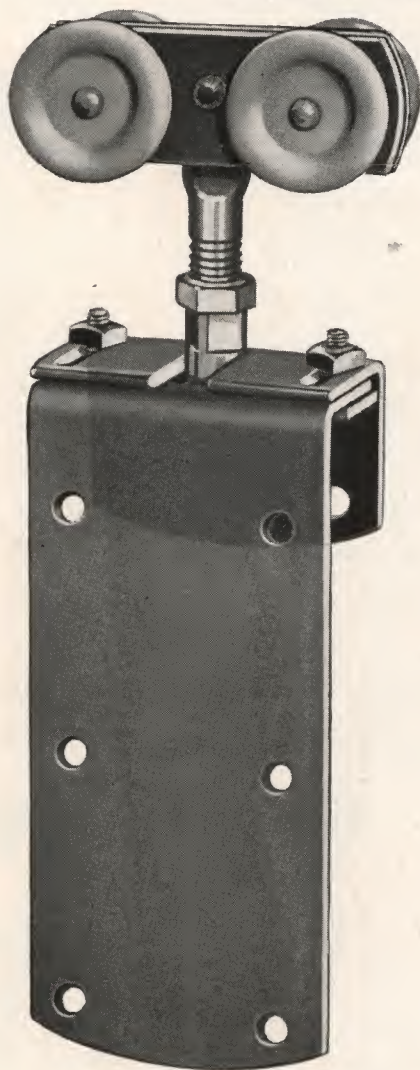
Packed one pair in a box with screws and bolts, three No. 1 Center Brackets, two End Caps for rail; six pairs in a carton.

No. 30½LB Hangers

Packed one pair in a box with screws and bolts, two End Caps for rail and **no rail brackets**; six pairs in a carton.

Item Number	Number Brackets for Rail	Quantity and Size of			Pr. in Box	Pr. in Carton	Weight per Carton
		Bolts for Hangers, Each	Lag Screws for Brackets, Each	Screws for End Caps, Each			
30½	3	3— $\frac{5}{16}$ x2¼	3— $\frac{7}{16}$ x2	2—1½x12 F.H.	1	6	60
30½LB		3— $\frac{5}{16}$ x2¼		2—1½x12 F.H.	1	6	44

Hanger Number 30-N



Use with Numbers 301 or 316 Rail

The truck of this hanger has the same size wheels, bearings and construction of 32 truck shown on Page 213 and the heavy adjustable drop strap of the N series. As the hanger runs on Number 301 Rail, installation is inexpensive and the heavy drop strap makes it practical to hang a door of any weight on this hanger and at the same time provides the convenient adjustments of the N series. A vertical adjustment easily accessible after the door is hung is combined with a generous lateral adjustment and an

adjustment for doors from $1\frac{3}{4}$ to 3 inches in thickness. The drop strap is 9×4 inches and is made from $\frac{3}{16}$ -inch stock.

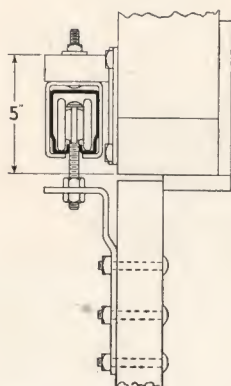
This is the heaviest Hanger we make for Number 301 Rail.

The wheels and adjusting bolts are Zinc Plated to prevent rusting and balance of hanger is Japanned.

Packed one pair in a box with bolts, two end caps with screws for rail and no rail brackets; six pairs in a carton.

Quantity and Size of		Pr. in Box	Pr. in Carton	Weight per Carton
Bolts for Hangers, Each	Screws for End Caps, Each			
6— $\frac{5}{16} \times 3\frac{1}{2}$	2— $1\frac{1}{2} \times 12$	1	6	66

Hanger Number 41A



An adjustable, ball bearing swivel hanger with roller bearing wheels for Sliding Folding Door Sets using Number 301 Rail.

Packed one hanger in a box with bolts.

Item Number	Quantity and Size of Carriage Bolts, Each	Number in Box	Number in Carton	Weight per Carton
41A	3— $\frac{5}{16}$ x $2\frac{1}{4}$	1	10	35
42A	3— $\frac{5}{16}$ x $2\frac{1}{4}$	1	10	36

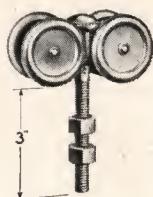
Hanger Number 42A



An adjustable, ball bearing swivel hanger with roller bearing wheels for Sliding Folding Door Sets where doors fold together as shown in illustration of Number 42A Set on Page 266, allowing hangers to roll together, using Number 301 Rail.

Packed one hanger in a box with bolts.

Double Truck Number 41T



Use No. 301 Rail

For Loads up to 500 Pounds

This hanger has the same truck as used on our No. 41A hanger (see construction top of Page 213). For overhead carriers, iron grating, wire gates, etc.

Rail Brackets should be spaced according to the weight of the load. We recommend not more than 2 foot spacing.

Packed one hanger in a box.

Single Truck Number 22½T



Use No. 301 Rail

For Loads up to 250 Pounds

This hanger has the same truck as used on our No. 22½S hanger (similar construction shown top of Page 213). For overhead carriers, iron grating, wire gates, etc.

Rail Brackets should be spaced according to the weight of the load. We recommend not more than 2 foot spacing.

Packed one hanger in a box.

Eyebolt Hanger Number 41E



Use No. 301 Rail

For Loads up to 500 Pounds

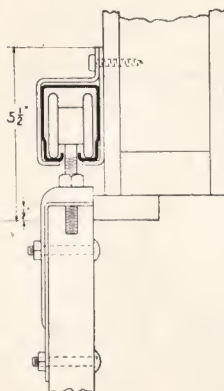
This hanger has the same truck as used on our No. 41A hanger (see construction top of Page 213). For overhead carriers, light hoists, etc. Available with hook instead of eye when specified.

Rail Brackets should be spaced according to the weight of the load. We recommend not more than 2 foot spacing.

Packed one hanger in a box.

Item Number	Number in Box	Number in Carton	Weight per Carton
41T	1	10	17½
22½T	1	10	11
41E	1	10	18

Number 30X Hanger



An adjustable, ball bearing swivel hanger with roller bearing wheels for Round-the-Corner door set using Number 301 Rail.

Packed one hanger in a box with bolts.

Number 31X Hanger

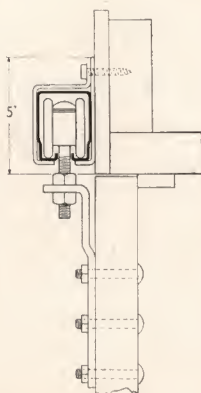


An adjustable, ball bearing swivel hanger with roller bearing wheels for Round-the-Corner door set where doors slide together, using Number 301 Rail.

Packed one hanger in a box with bolts.

Item Number	Quantity and Size of Carriage Bolts, Each	No. in Box	No. in Carton	Weight per Carton
30X	2— $\frac{5}{16}$ x $2\frac{1}{4}$	1	6	17
31X	2— $\frac{5}{16}$ x $2\frac{1}{4}$	1	6	18

Number 63 Hanger



An adjustable, ball bearing swivel hanger with roller bearing wheels for Round-the-Corner door set where doors are flush with opening, using Number 301 Rail.

Packed one hanger in a box with bolts.

Number 63X Hanger

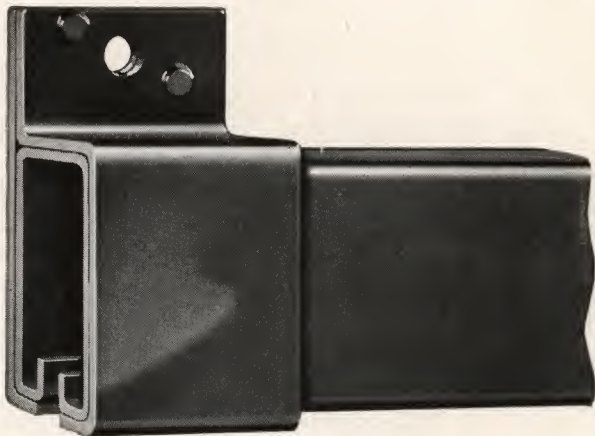


An adjustable, ball bearing swivel hanger with roller bearing wheels for Round-the-Corner door set where doors are flush with opening and slide together, using Number 301 Rail.

Packed one hanger in a box with bolts.

Item Number	Quantity and Size of Carriage Bolts, Each	No. in Box	No. in Carton	Weight per Carton
63	3— $\frac{5}{16}$ x $2\frac{1}{4}$	1	6	21
63X	3— $\frac{5}{16}$ x $2\frac{1}{4}$	1	6	22

Rail
Number 3030



3030

Japanned

Heavy Rail for use on Doors weighing up to 600 pounds

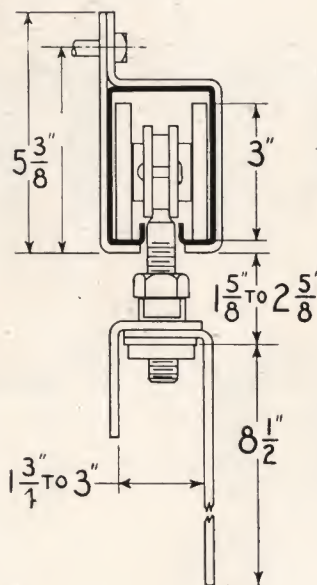
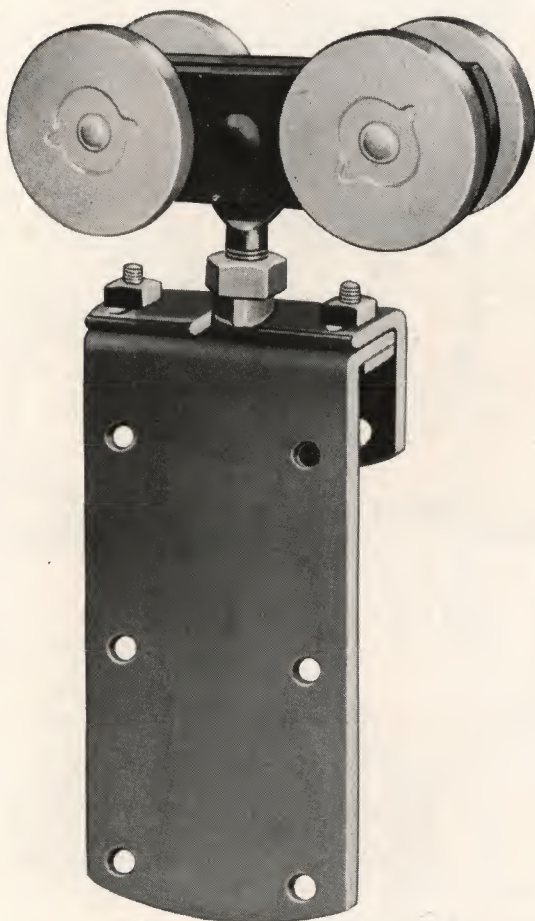
Use Number 30N3 Hanger with this Rail

A strong rail, for heavy doors (such as Airport, Public Garages, Warehouses, etc.), made of 14 gauge steel, inside dimensions $2\frac{3}{8} \times 3\frac{1}{4}$ inches (illustration of End View Actual Size see Page 212). Brackets should be used every two feet. Available Brackets shown on Page 226. Furnished in 6, 8 and 10 foot lengths, two pieces to a bundle.

Weight per 100 feet.....300 pounds

Feet to Standard Bundles			
Length of Rail, feet.....	6	8	10
Feet to Bundle	12	16	20
Weight per Bundle, pounds.....	36	48	60

Hanger Number 30N3



Use with Numbers 3030 or 3036 Rail

An extra heavy hanger for Public Garages, Airport, Warehouse Doors, etc.

Accessible adjustments; vertical, horizontal and for thickness.

Drop strap is 9 inches long, 4 inches wide and $\frac{3}{16}$ inch thick.

The truck has $\frac{5}{16} \times 3$ inch steel wheels with large roller bearings and cast iron bushings.

Japanned, with wheels and all exposed parts Zinc Plated.

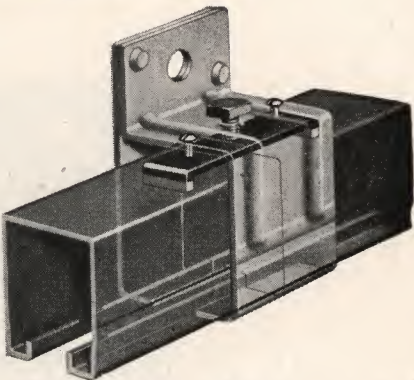
Packed one pair in a carton with bolts.

Quantity and Size of Bolts, Each	Pr. in Box	Pr. in Carton	Weight per Carton
6— $\frac{5}{16} \times 3\frac{1}{2}$	1	4	72

Rail For Lock Brackets Number 3036



Number 3036 Rail
Japanned



Application of Lock Bracket and Rail

Use Number 30N3 Hangers with this Rail. For doors weighing up to 600 pounds. This is the same rail as our No. 3030 (shown on Page 224), but has slots punched in each end to take the lock brackets illustrated below.

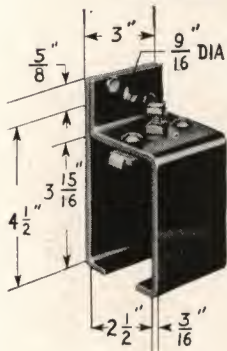
Furnished in 6, 8 and 10 foot lengths; two pieces to a bundle.

Weight per 100 feet300 pounds

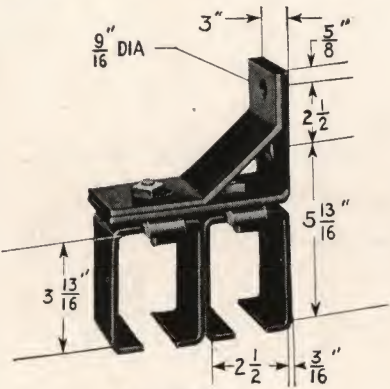
Feet to Standard Bundles

Length of Rail, feet	6	8	10
Feet to Bundle	12	16	20
Weight per Bundle, pounds	36	48	60

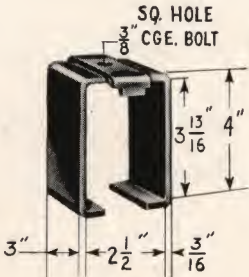
Lock Brackets For Number 3036 Rail



1L-3036
CENTER



5L-3036
CENTER, PASSING



13L-3036
OVERHEAD

Where it is desired to join two pieces of rail, our lock brackets hold the two ends of the rail rigidly in place so they can't spread and give support to the rail at this strategic point with a strong bracket.

These lock brackets are made to be used with our Number 3036 rail which has slots punched in the rail.

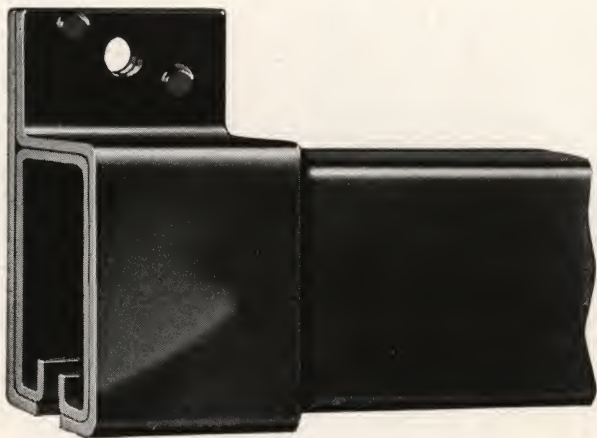
These lock brackets are strong, well made and very easy to apply.

Furnished in Japan finish and packed in cartons with lag screws.

For intermediate brackets to be used with Number 3036 rail specify type 3030 shown on Page 226.

Item Number	Type	Each in Carton	Weight per Carton
1L3036	Center	10	22
5L3036	Center Passing	4	23
13L3036	Overhead	4	10

**Rail
Number 3000**



3000

Japanned

A very heavy rail for use on doors weighing up to 900 pounds

Use Number 30N4 Hanger with this Rail. Also Numbers 41A3000, 42A3000, 41T3000, 41E3000, 62-3000, 62X3000.

A strong rail, for heavy doors (such as Airport, Public Garages, Warehouses, etc.), made of 13 gauge steel, inside dimensions $2\frac{5}{8} \times 3\frac{1}{4}$ inches (illustration of End View Actual Size see Page 212).

Brackets should be used every two feet. Order brackets from illustrations shown on Page 230.

Furnished in 6, 8 and 10 foot lengths, two pieces to a bundle.

Weight per 100 feet.....			325 pounds
	Feet to Standard Bundles		
Length of Rail, feet	6	8	10
Feet to Bundle	12	16	20
Weight per Bundle, pounds	39	52	65

**Curved Rail
Number 3000-C**



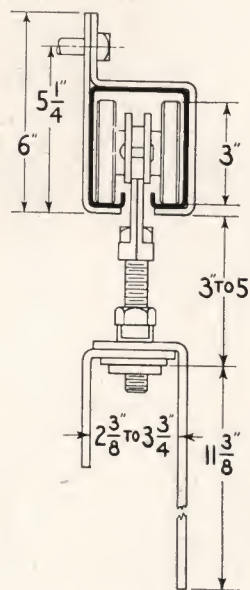
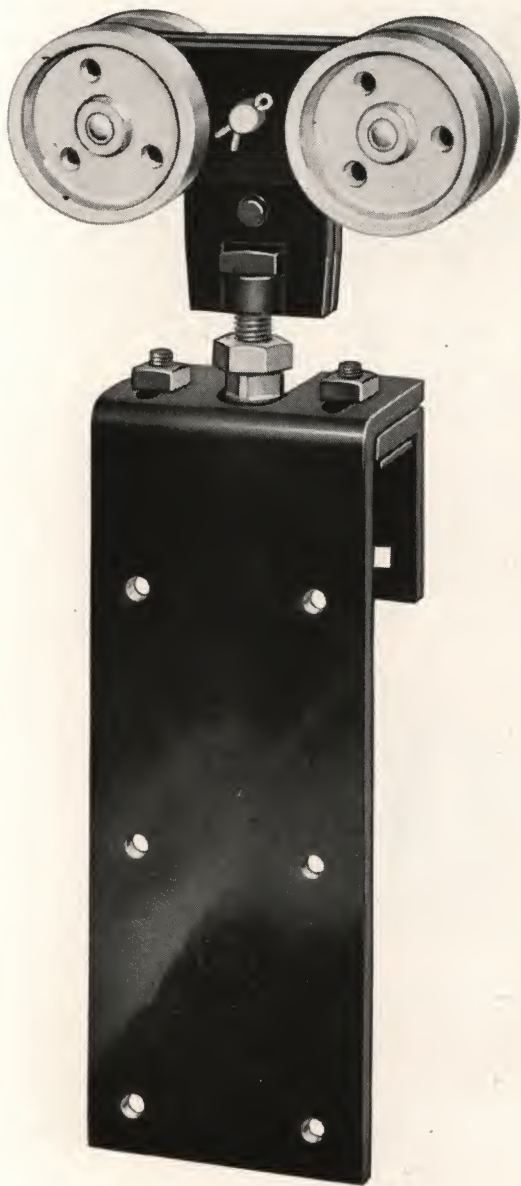
No. 3000-C Curve
Japanned

Two sizes; 36 and 48 inch radius, 90 degree. Brackets are welded to rail and end brackets project beyond curved rail to support end of connecting rails.

Radius	Feet of Rail in Curve, Each	Number of Brackets	Weight per Curve
36"	4' 8 1/2"	4	28
48"	6' 3 1/2"	5	35

Hangers

No. 30N4



Use with Numbers 3000 or 3006 Rail

An extra heavy hanger for Public Garages, Airport, Warehouse Doors, etc.

Accessible adjustments; vertical, horizontal and for thickness.

Drop strap is 12 inches long, 4 inches wide and $\frac{1}{4}$ inch thick.

The truck has 3 inch cast iron lathe turned wheels with large roller bearings and cast iron bushings.

Japanned, with wheels and exposed parts Zinc Plated.

Packed one pair in a carton with bolts.

Quantity and Size
of Bolts, Each

6— $\frac{5}{16}$ x 4

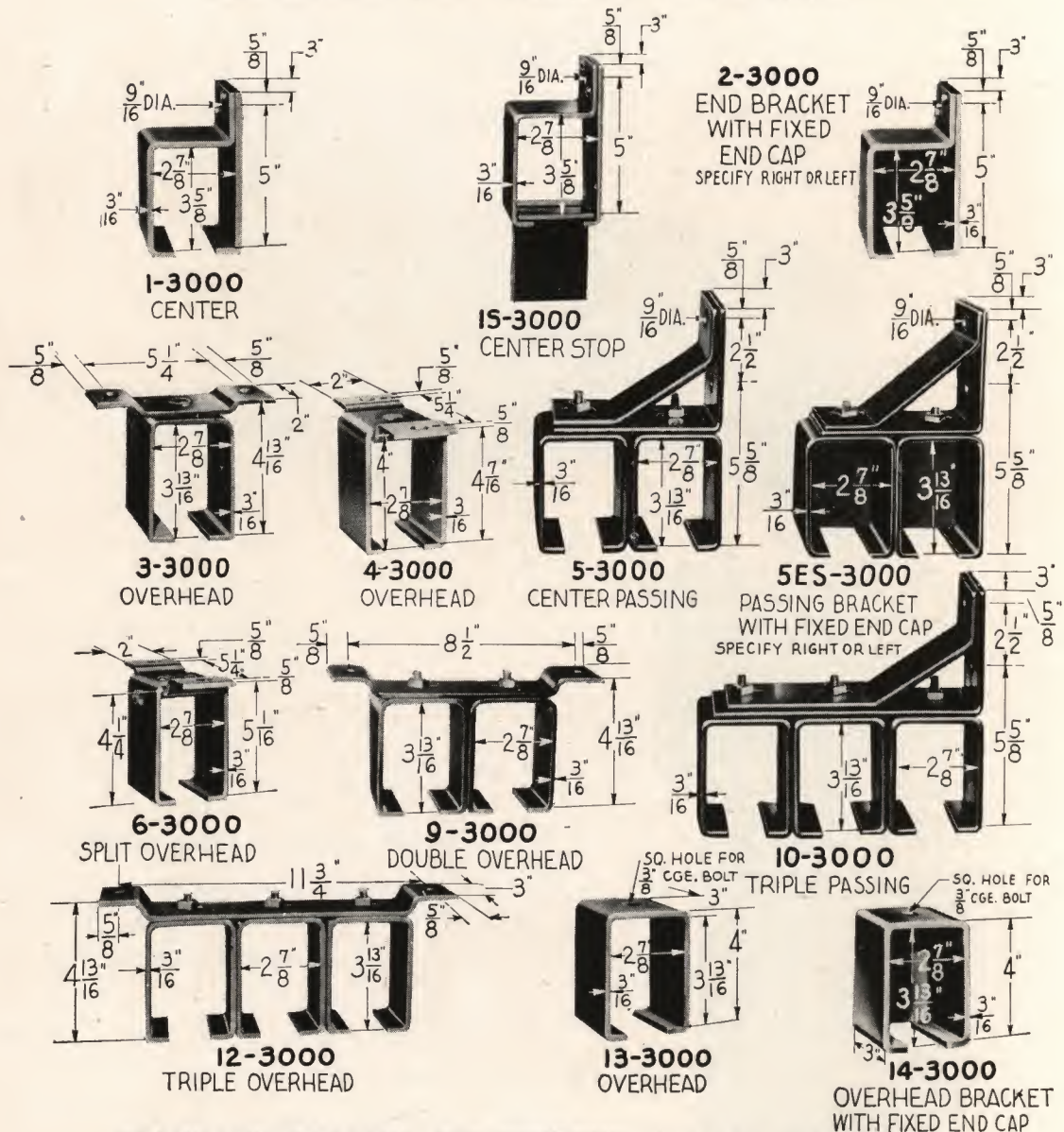
Pr. in Carton

1

Weight per Carton

26

Brackets for Number 3000 Rail



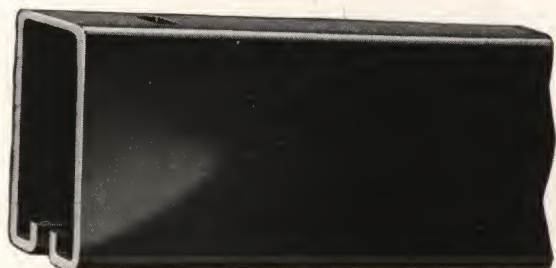
STANDARD PACKING FOR NUMBER 3000 RAIL BRACKETS

Brackets should be spaced every 2 feet on rail. $\frac{1}{2}$ "x3 inch lag screws are furnished with all brackets. The double and triple brackets have lateral adjustment.

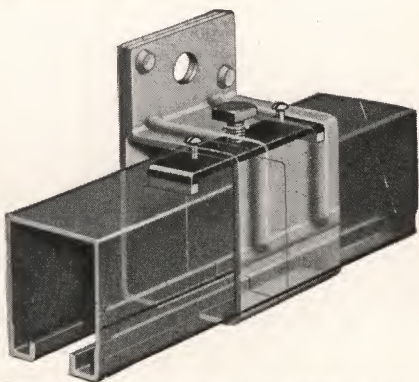
Packed in cartons with lag screws.

Item Number	Type	Number in Carton	Weight per Carton
1-3000	Center	10	31
1S3000	Center Stop	4	19
2-3000	End, with fixed end cap. Specify R.H. or L.H.	10	35
3-3000	Overhead	10	30
4-3000	Overhead	10	37
5-3000	Center Passing	4	30
5ES3000	End Passing with fixed end caps. Specify R.H. or L.H.	4	36
6-3000	Split, Overhead	10	39
9-3000	Double, Overhead	4	31
10-3000	Triple	4	49
12-3000	Triple, Overhead	4	49
13-3000	Overhead	10	23
14-3000	Overhead with fixed end cap	10	28

Rail for Lock Brackets Number 3006



Number 3006 Rail
Japanned



Application of Lock Bracket and Rail

Use Number 30N4 Hangers with this Rail. For doors weighing up to 900 pounds. This is the same rail as our No. 3000 (shown on Page 230), but has slots punched in each end to take the lock brackets illustrated below.

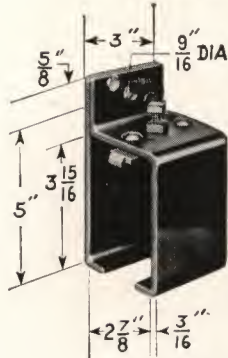
Furnished in 6, 8 and 10 foot lengths; two pieces to a bundle.

Weight per 100 feet.....325 pounds

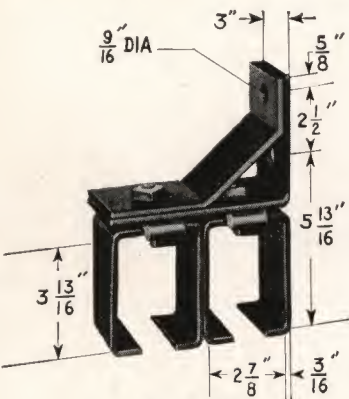
Feet to Standard Bundles

Length of Rail, feet.....	6	8	10
Feet to Bundle	12	16	20
Weight per Bundle, pounds	39	52	65

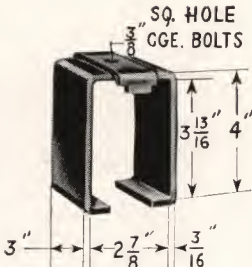
Lock Brackets for Number 3006 Rail



1L-3006
CENTER



5L-3006
CENTER, PASSING



13L-3006
OVERHEAD

Where it is desired to join two pieces of rail, our lock brackets hold the two ends of the rail rigidly in place so they can't spread and give support to the rail at this strategic point with a strong bracket.

These lock brackets are made to be used with our Number 3006 rail which has slots punched in the rail.

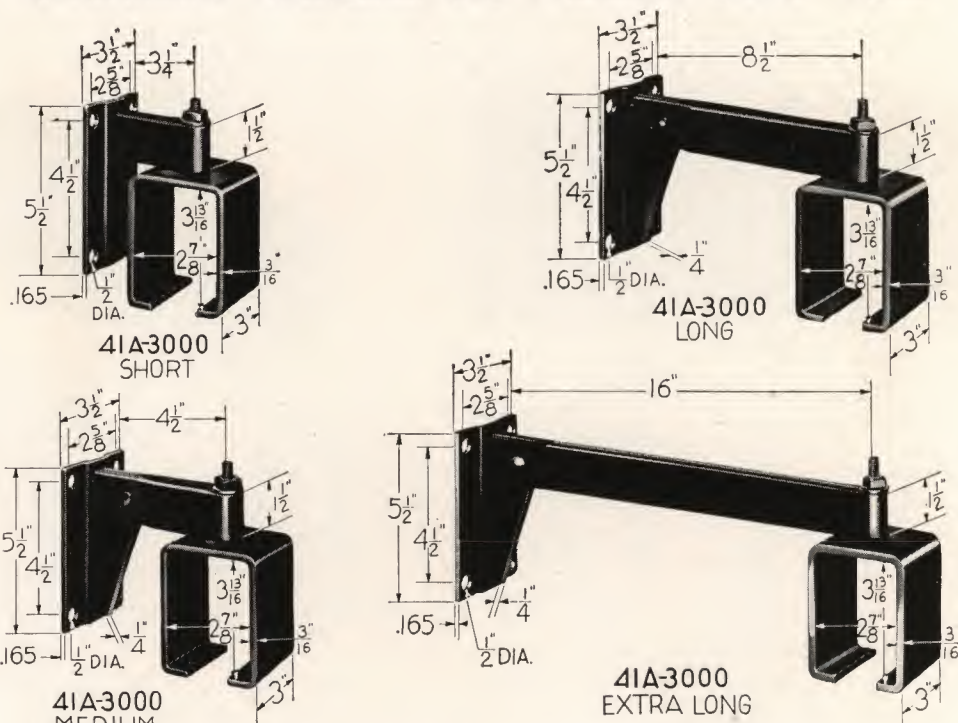
These lock brackets are strong, well made and very easy to apply.

Furnished in Japan finish and packed in cartons with lag screws.

For intermediate brackets to be used with our Number 3006 rail specify type 3000 shown on Page 230.

Item Number	Type	Each in Carton	Weight per Carton
1L3006	Center	10	34
5L3006	Center Passing	4	27
13L3006	Overhead	4	11

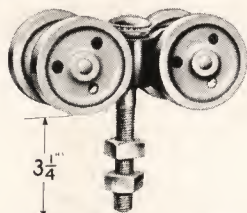
Extension Brackets for Number 3000 Rail



$\frac{7}{16} \times 2\frac{1}{2}$ inch lag screws are furnished with all brackets.

Item Number		Weight per Bracket
41A3000	Short	4 $\frac{1}{2}$
41A3000	Medium	5 $\frac{3}{8}$
41A3000	Long	5 $\frac{7}{8}$
41A3000	Extra Long	7 $\frac{5}{8}$

Double Truck Number 41T3000



Use Number 3000 Rail
For Loads Up to 1000 Pounds

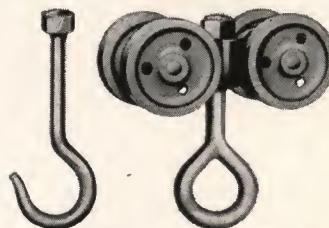
This hanger has the same truck as used on our No. 41A3000 Hanger (see construction top of Page 213). For overhead carriers, iron grating, wire gates, etc.

Rail Brackets should be spaced according to the weight of the load. We recommend not more than 1 $\frac{1}{2}$ foot spacing.

Packed one hanger in a box.

Item Number	Number in Box	Number in Carton	Weight per Carton
41T3000	1	2	12 $\frac{1}{2}$
41E3000	1	2	13

Eyebolt Hanger Number 41E3000



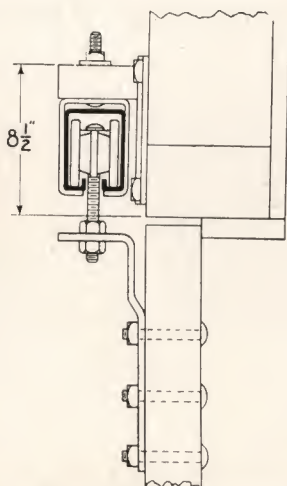
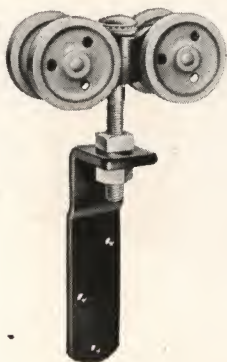
Use Number 3000 Rail
For Loads Up to 1000 Pounds

This hanger has the same truck as used on our No. 41A3000 Hanger (see construction top of Page 213). For overhead carriers, hoist, etc. Available with hook instead of eye when specified.

Rail Brackets should be spaced according to the weight of the load. We recommend not more than 1 $\frac{1}{2}$ foot spacing.

Packed one hanger in a box.

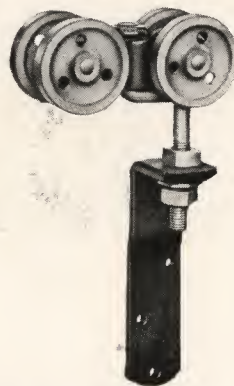
Hanger Number 41A3000



An adjustable, ball bearing swivel hanger with roller bearing wheels for Sliding Folding Door Sets with Number 3000 Rail.

Packed one hanger in a box with bolts.

Hanger Number 42A3000

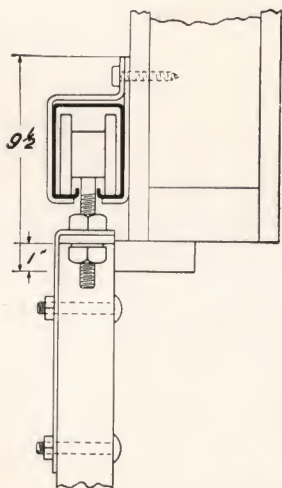
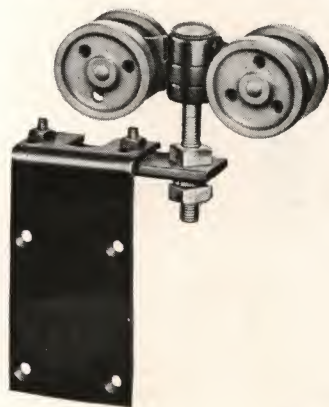


An adjustable, ball bearing swivel hanger with roller bearing wheels for Sliding Folding Door Sets where doors fold together as shown in illustration of Number 42A3000 Set on page 262, permitting doors to meet.

Packed one hanger in a box with bolts.

Item Number	Quantity and Size of Carriage Bolts, Each	Number in Box	Number in Carton	Weight per Carton
41A3000	3— $\frac{5}{16}$ x $3\frac{1}{2}$	1	2	19
42A3000	3— $\frac{5}{16}$ x $3\frac{1}{2}$	1	2	20

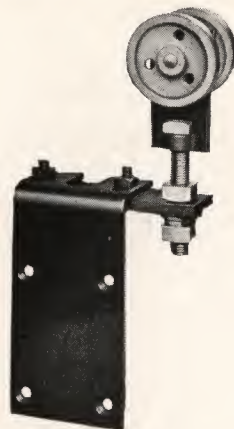
Hanger Number 62-3000



A jointed, double truck hanger with roller bearing wheels and vertical adjustment for use with Number 3000 Rail and Number 3000-C Curved Rail.

Packed one hanger in a box with bolts.

Hanger Number 62X3000



A swivel, single truck hanger with roller bearing wheels and vertical adjustment for use with Number 3000 Rail and Number 3000-C Curved Rail.

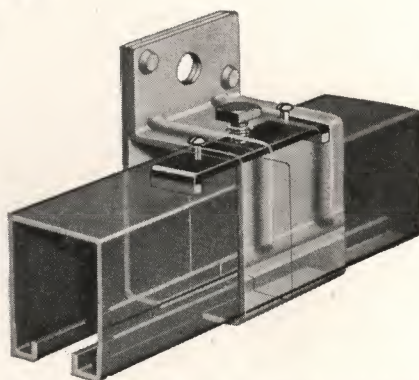
Packed one hanger in a box with bolts.

Item Number	Quantity and Size of Carriage Bolts, Each	Number in Box	Number in Carton	Weight per Carton
62 - 3000	4— $\frac{5}{16}$ x $3\frac{1}{2}$	1	2	22½
62X3000	4— $\frac{5}{16}$ x $3\frac{1}{2}$	1	2	15½

Rail Number 3066



Number 3066 Rail
Japanned



Application of Lock Bracket and Rail

An extra heavy rail for use on doors weighing up to 1200 pounds.
Use Number 30N6 Hanger with this Rail. Also Numbers 41E3066, 30T2-3066, 30T3-3066.

A strong rail, for heavy doors (such as Airport, Public Garages, Warehouses, etc.), made of 10 gauge steel, inside dimensions $2\frac{5}{8} \times 4\frac{1}{4}$ inches. (Illustration of End View Actual Size see Page 212).

Rail has slots punched in each end to take

the lock brackets illustrated below.

Brackets should be used every two feet. Available brackets shown below and on Page 235.

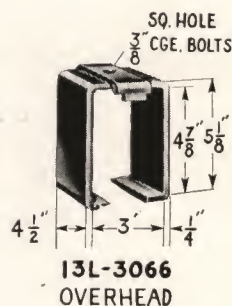
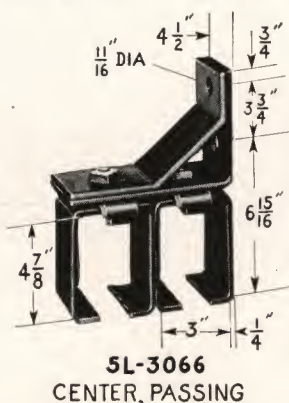
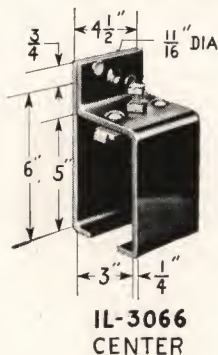
Furnished in 6, 8 and 10 foot lengths, two pieces to a bundle.

Weight per 100 feet 650 pounds

Feet to Standard Bundles

Length of Rail, feet	6	8	10
Feet to Bundle	12	16	20
Weight per Bundle, pounds	78	104	130

Lock Brackets For Number 3066 Rail



Where it is desired to join two pieces of rail, our lock brackets hold the two ends of the rail rigidly in place so they can't spread and give support to the rail at the strategic point with a strong bracket.

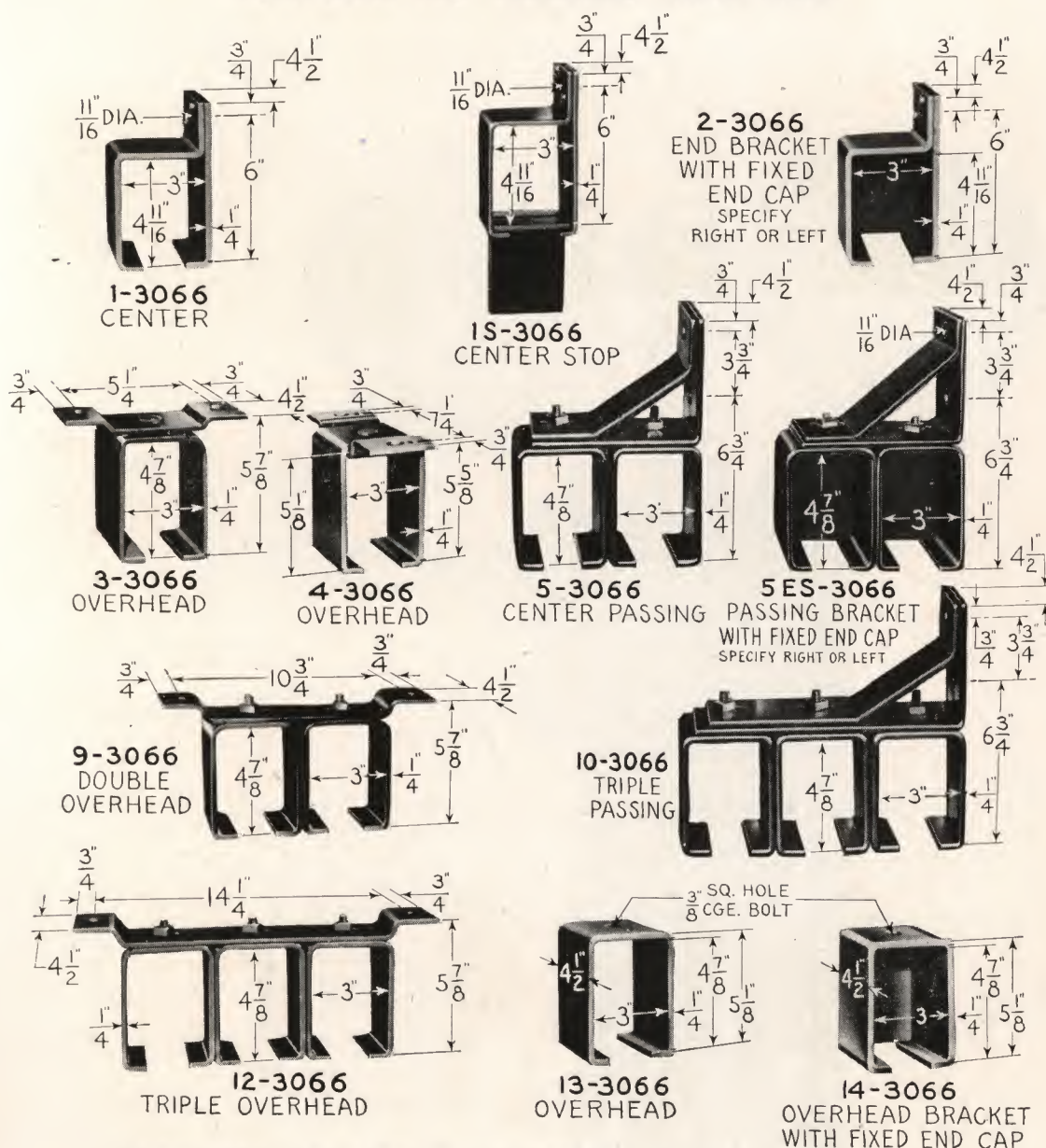
These lock brackets are strong, well made and very easy to apply.

Furnished in Japan finish and packed in cartons with lag screws.

For intermediate brackets to be used with Number 3066 rail see Page 235.

Item Number	Type	Number in Carton	Weight per Carton
1L3066	Center	4	25
5L3066	Center Passing	4	74
13L3066	Overhead	4	22

Brackets for Number 3066 Rail



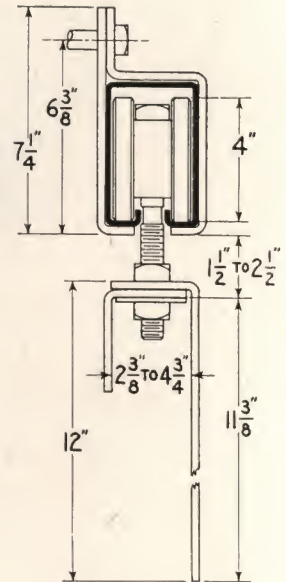
STANDARD PACKING FOR NUMBER 3066 RAIL BRACKETS

Brackets should be spaced every 2 feet on rail. $\frac{5}{8}$ x3 inch lag screws are furnished with all brackets. The double and triple brackets have lateral adjustment.

Packed in cartons with lag screws.

Item Number	Type	Number in Carton	Weight per Carton
1-3066	Center	4	24
1S3066	Center Stop	4	35
2-3066	End, with fixed end cap. Specify R.H. or L.H.	4	25
3-3066	Overhead	4	30
4-3066	Overhead	4	30
5-3066	Center Passing	4	70
5ES3066	End Passing with fixed end caps. Specify R.H. or L.H.	4	76
10-3066	Triple Passing	4	93
9-3066	Double, Overhead	4	56
12-3066	Triple, Overhead	4	72
13-3066	Overhead	4	20
14-3066	Overhead with fixed end cap	4	21

Hanger Number 30N6



Use with Number 3066 Rail

An extra heavy hanger for Public Garages, Airport, Warehouse doors, etc.

Accessible adjustments; vertical, horizontal and for thickness.

Drop strap is 12 inches long, 4 inches wide and $\frac{1}{4}$ inch thick.

The truck has 4 inch cast iron lathe turned wheels with large roller bearings. See construction illustration on Page 213.

Japanned, with wheels and all exposed parts Zinc Plated.

Packed one pair in a carton with bolts.

Quantity and Size
of Bolts, Each

6— $\frac{5}{8}$ "x4

Pr. in Carton

1

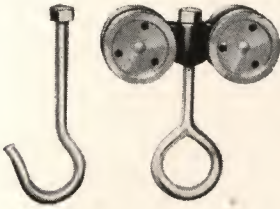
Weight per Carton

36

Eyebolt Hangers Number 41E3066

Use 3066 Rail

For Loads up to 1500 pounds.



This is our 30N6 hanger truck with eyebolt to be used as overhead carrier. Construction of truck is shown on bottom of Page 213. The wheels and eyebolt are zinc plated and balance of truck is japanned.

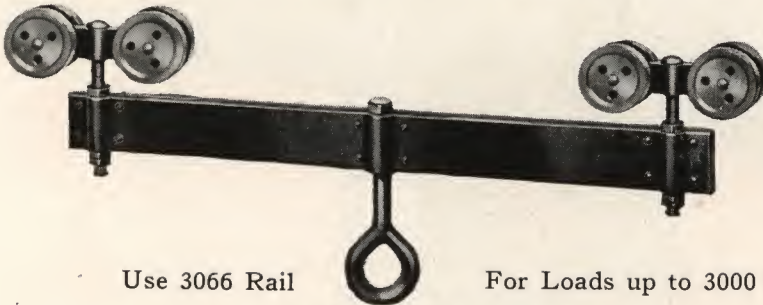
Available when specified with hook instead of eyebolt.

Rail Brackets should be spaced according to the weight of the load. We recommend not more than 1½ foot spacing.

Packed one hanger in a carton.

Weight per carton 13½ pounds

Tandem Hangers Number 30T2-3066



Use 3066 Rail

For Loads up to 3000 pounds.

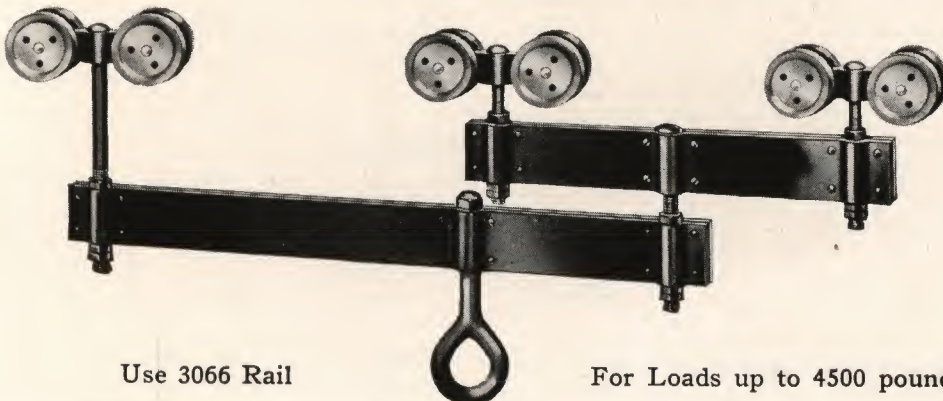
SPECIAL HANGERS

We have material on hand to supply a great number of special hangers similar to those illustrated on this page. If you have a special job on hand let us prescribe for your needs and furnish you prices. Tandem hangers such as those illustrated distribute the weight over a number of rail brackets and are the best thing to use for carrying garage hoists where the load may be two or three tons or for hanging exceptionally heavy doors on car barns, aeroplane hangars,

garages or other places. We make these hangers for use with our Number 3066 rail. Tell us the approximate weight and size of your doors and we will furnish information and prices. Numbers 30T2-3066 and 30T3-3066 illustrated on this page are designed for 3066 rail and are quoted in our discount sheet.

Rail Brackets should be spaced according to the weight of the load. We recommend not more than 1½ foot spacing.

Number 30T3-3066



Use 3066 Rail

For Loads up to 4500 pounds.

Rail Number 306



Japanned

Use Numbers 33 or 34 Hangers with this Rail

For doors weighing up to 150 pounds

An inexpensive trolley track that will hang light doors satisfactorily. The brackets are welded to the rail and keep it from bending in toward the building. The rail is surprisingly strong and may be applied very easily. Especially adapted to light garage doors. The hanger will not rub where this track is used either against the building or against the cover.

Rail furnished without lag screws.

Eight $\frac{5}{16} \times 2$ inch lag screws and two end caps are packed with each pair of hangers.

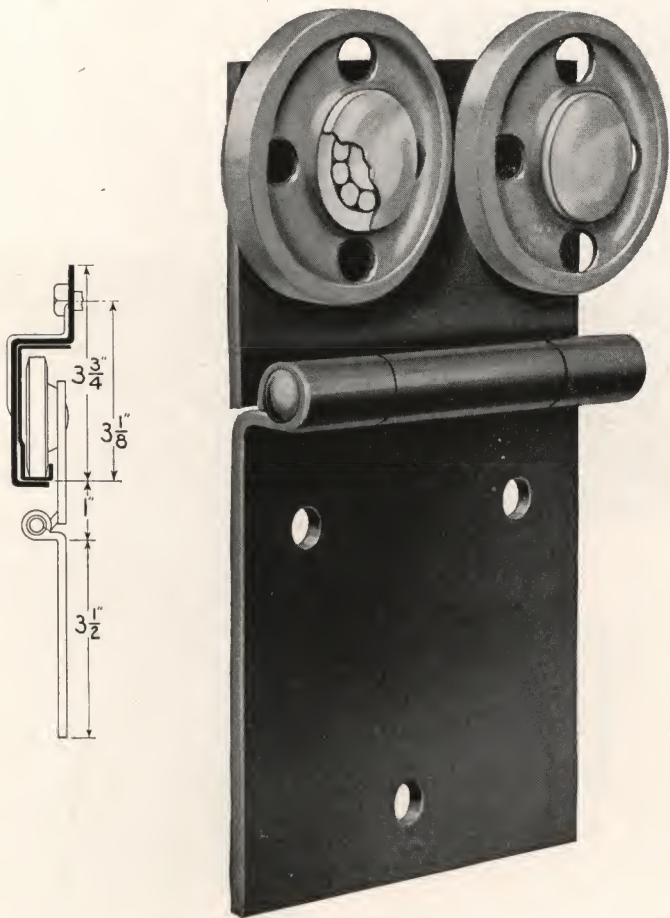
Furnished in 4, 6, 8, 9 and 10 foot lengths; 4 and 6 foot have 8 pieces to a bundle, 8 and 9 foot have 6 pieces to a bundle, 10 foot have 4 pieces to a bundle.

Weight per 100 feet115 pounds -

Feet to Standard Bundles

Length of Rail, feet	4	6	8	9	10
Feet to Bundle	32	48	48	54	40
Weight per Bundle, pounds	37	55	55	61	46

Hanger
Number 33



Japanned

Use with Number 306 Rail for doors up to 150 pounds

An inexpensive swinging hanger, that has carefully machined cast iron wheels with roller bearings, which will allow the door to swing out without twisting or straining the rail. Can be used either with our Number 306 rail or on passing doors with

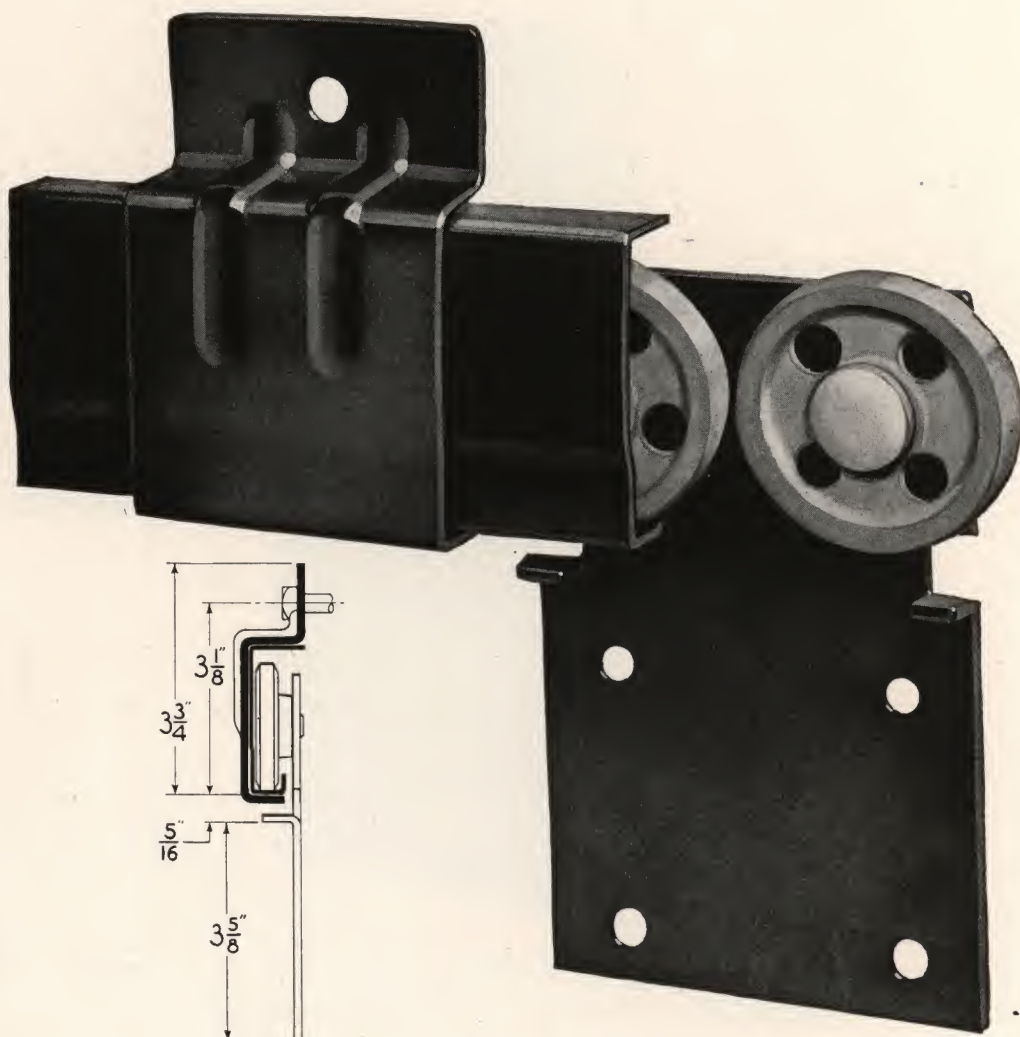
our Number 301 rail as shown on Page 241.

Furnished in japan with zinc plated wheels.

Packed one pair in a box with stove bolts, end caps and lag screws for rail; one dozen pairs in a carton.

Quantity and Size of			Pr. in Box	Dz. Pr. in Carton	Weight per Carton
Stove Bolts for Hangers, Each	Screws for End Caps, Each	Lag Screws for Rail			
3—1/4x2 1/4 F.H.	2—1 1/2x12 F.H.	8—5/16x2	1	1	46

Hanger Number 34



Japanned

Use with Number 306 Rail for doors up to 150 pounds

An inexpensive hanger for light doors. Can be used either with our Number 306 Rail or on passing doors with our Number 301 Rail shown on Page 241.

Wheels are cast iron, carefully machined

and run on roller bearings.

Furnished in Japan with Zinc Plated wheels. Packed one pair in a box with screws, end caps and lag screws for rail; one dozen pairs in a carton.

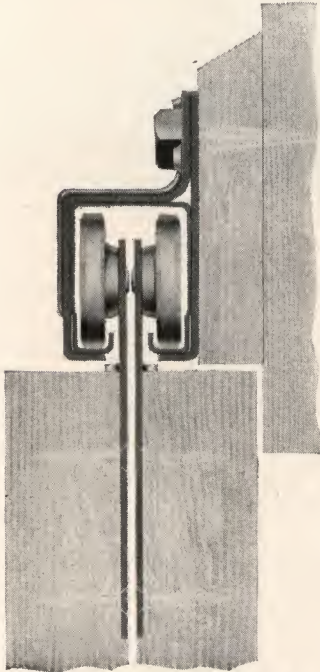
Hangers, Each	Quantity and Size of Screws for		Pr. in Box	Dz. Pr. in Carton	Weight per Carton
	End Caps, Each	Lag Screws for Rail			
4—1½x12 F.H.	2—1½x12 F.H.	8— $\frac{5}{16}$ x2	1	1	42

Good Hardware since 1876

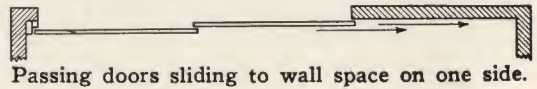
Passing Doors

With One Run of Rail

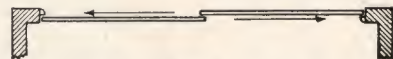
Using Number 301 Rail and Numbers 33 or 34 Hangers



End View Illustration of
Number 34 and 301 Rail.



Passing doors sliding to wall space on one side.

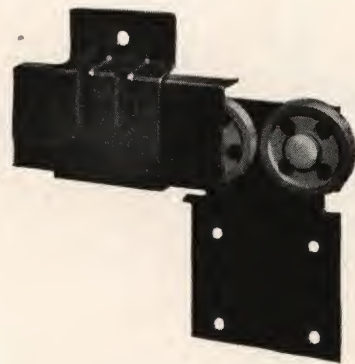


Passing doors sliding from jamb to jamb.

An inexpensive installation for light doors weighing up to 150 pounds. Use either Number 33 or 34 Hangers with Number 301 Rail and Number 1-301 Center Brackets every two feet. Overhead type Brackets available see Page 216.

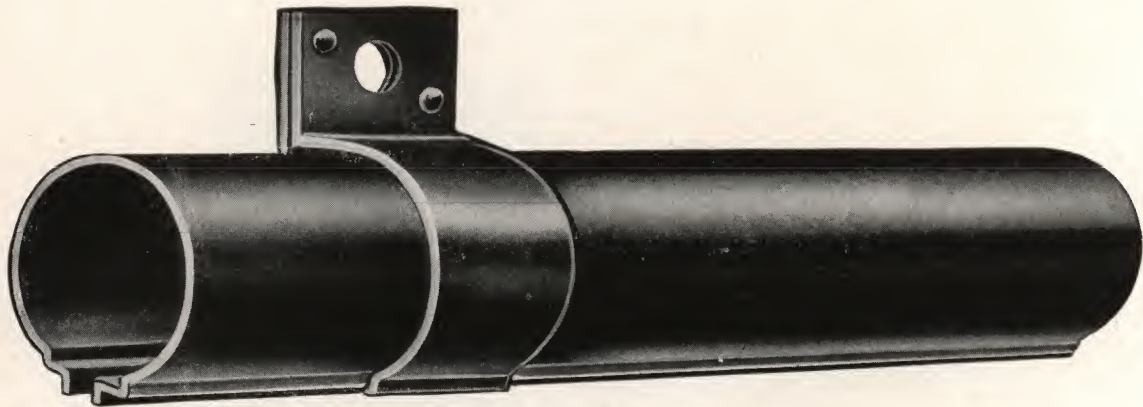


No. 33 Hanger



No. 34 Hanger

Rail
Number 304



Japanned

For doors weighing up to 350 pounds, use Numbers 35 or 36 Hangers with this Rail

A trolley track to take the same hangers as our Number 303. Made of 15 gauge steel. Bird-proof and self-cleaning. Especially well adapted to inside use and passing doors. One Number 7-304 Bracket should be ordered for each 2½ feet of Number 304.

For passing doors use one Number 8-304 Bracket every 2½ feet.

End caps are packed with each pair of hangers.

Furnished in 4, 6, 8 and 10 foot lengths; two pieces to a bundle.

Weight per 100 feet177 pounds

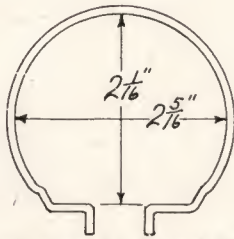
Feet to Standard Bundles

Length of Rail, feet	4	6	8	10
Feet to Bundle	8	12	16	20
Weight per Bundle, pounds	14	21	28	35

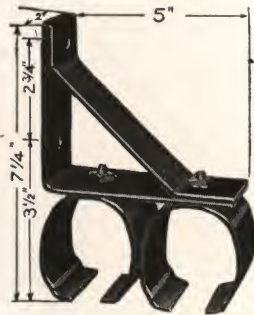
Brackets for Number 304 Rail



No. 7-304



End View ½ Actual Size
No. 304 Rail

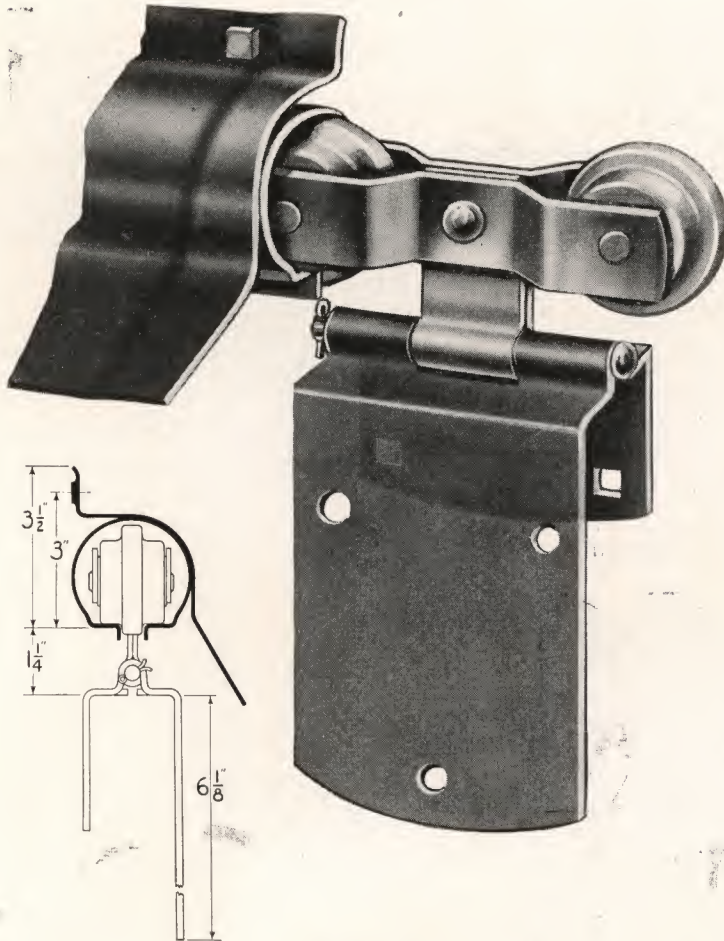


No. 8-304

Packed in cartons with 7/16 x 2 inch lag screws.

Item Number	Type	Each in Carton	Weight per Carton
7-304	Center	50	54
8-304	Passing	10	22½

Hanger Number 36



Japanned
Use with Numbers 303 or 304 Rail

An easy-swinging hanger that has the same heavy truck as our Number 35 and a short connecting piece that brings the top of the door snugly under the track. The drop strap is yoke shaped, heavily Japanned and baked.

One of the best features of this hanger is the ease with which the door can be hung as the drop strap can be attached before the door is hung and the connection made simply by passing the pin through the strap and inserting the cotter.

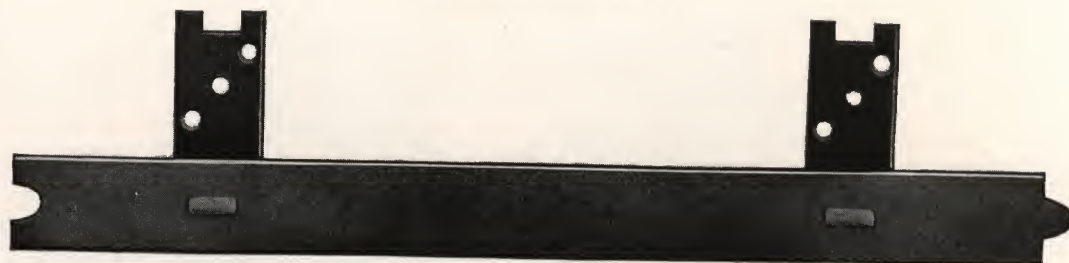
Hangers are packed one pair in a box with two end caps and the necessary screws for the same. Six bolts $2\frac{1}{4} \times \frac{5}{16}$ inches are furnished to attach the drop strap to the door. Twelve lag screws $2 \times \frac{5}{16}$ inches are included with each pair of hangers.

Hangers are packed one pair in a box with two end caps, screws and bolts for same, twelve lag screws for the rail; six pairs in a carton.

Bolts for Hangers, Each	Quantity and Size of		Pr. in Box	Pr. in Carton	Weight per Carton
	Lag Screws for Rail, Each	Screws for End Caps, Each			
3— $\frac{5}{16} \times 2\frac{1}{4}$	12— $\frac{5}{16} \times 2$	2— $1\frac{1}{2} \times 12$ F.H.	1	6	55

Good Hardware since 1876

New York Rail Number 102



Use Numbers 40, 75, 76, 1 Cleveland, 2 Cleveland, 51, 52, 61 or 61S Hangers with this Rail

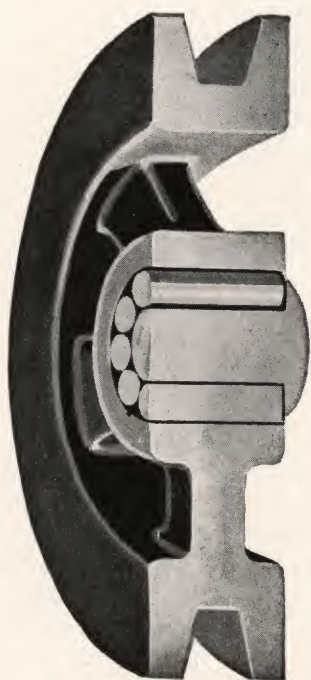
Heavily Japanned and braced every twelve inches. This rail will carry flat rail hangers of any manufacture satisfactorily.

Size $1\frac{1}{4} \times \frac{3}{16}$ inch, furnished in 4, 6, $6\frac{1}{2}$, 7, 8 and 10 foot lengths. Packed 8 pieces to a bundle.

Weight per 100 feet 100 pounds

Feet to Standard Bundles

Length of Rail, feet	4	6	$6\frac{1}{2}$	7	8	10
Feet to Bundle	32	48	52	56	64	80
Weight per Bundle, pounds..	32	48	52	56	64	80



3½ inch Cast Wheel

A very substantial roller bearing cast wheel made to run on our New York Rail No. 102, or any flat rail of any standard make. ($1\frac{1}{4} \times \frac{3}{16}$).

This wheel is furnished on hangers No. 40, 75 and No. 1 Cleveland.

Curved Rail Number 102-C

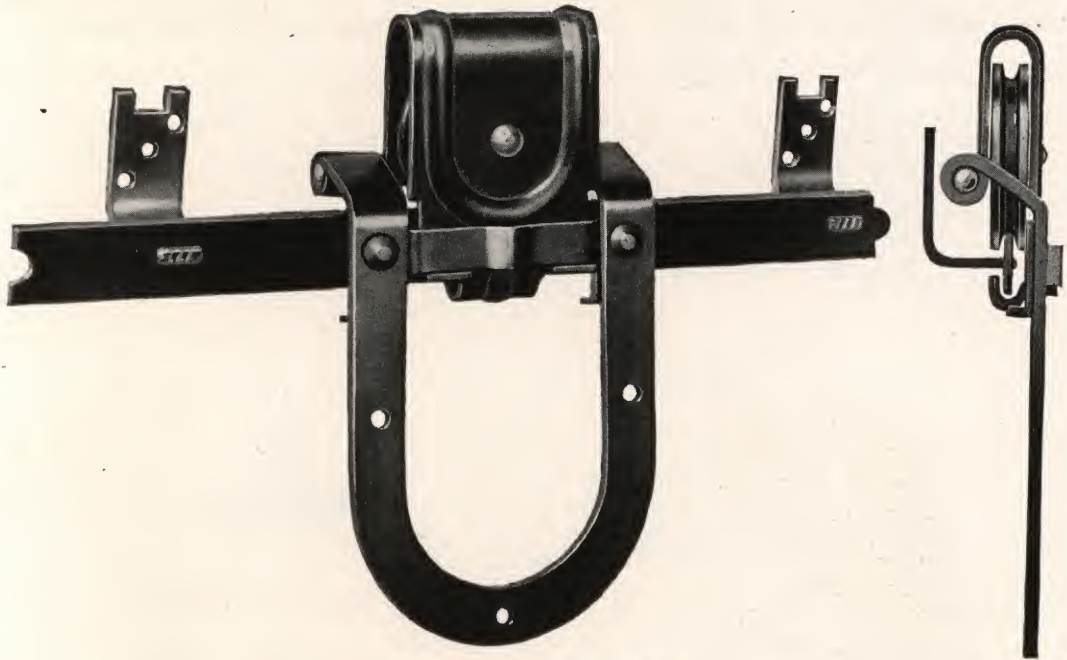
Japanned



A curved rail made of $1\frac{1}{4} \times \frac{3}{16}$ inch steel for Number 102 New York Rail with 90 degree 24 inch radius.

Radius	Feet of Rail in Curve, Each	Number of Brackets	Pcs. in Bundle	Weight per Bundle
24"	3' 1½"	4	6	24

Cyclone Hanger
Number 40



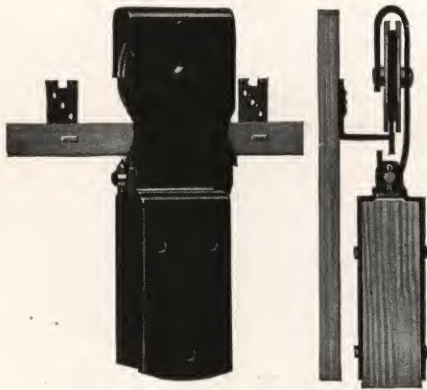
(Cut approximately 1/3 size)

A Barn Door Hanger for No. 102 New York Flat Rail. It is entirely of steel, constructed along simple and sturdy lines. It is far easier to attach than any clevis style hanger. The door hangs closer to the track and the studs, which act as guides in attaching the door, together with the hook turned

under the track absolutely prevent the hanger from becoming derailed. The steel roller bearings and lathe turned "3 1/2" wheels are your assurance of smooth operation.

Packed one pair in a carton with 5/16x2 1/4 carriage bolts and six pairs in a carton.

Quantity and Size of Carriage Bolts, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
3—5/16x2 1/4	1	1/2	43



Clipper Hanger Number 75

This durable swing hanger runs on roller bearings, stays on the rail and requires less work to put up than most hangers since the housing can be placed on the rail first, then after the straps are bolted on the door can be placed in position and the pin put in place. The hanger is $11\frac{1}{2}$ inches long and $3\frac{1}{2}$ inches wide. The housing is made of No. 11 and the drop strap of No. 13 gauge steel. $3\frac{1}{2}$ inch cast wheel to run on our No. 102 New York rail. Packed one pair in a box with $\frac{5}{16} \times 2\frac{1}{4}$ inch carriage bolts; twelve pairs in a carton.

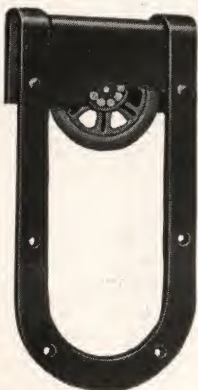
Quantity and Size of Carriage Bolts, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
3— $\frac{5}{16} \times 2\frac{1}{4}$	1	1	86

Hanger Number 76

A smaller hanger of the same construction as the Clipper Hanger (shown above). The Hanger is $11\frac{1}{2}$ inches long. The housing is made of $2\frac{3}{4}$ inch by No. 11 gauge steel and is $4\frac{1}{2}$ inches long. The drop strap is 2 inch by No. 13 gauge steel and $6\frac{1}{4}$ inches long. It has a $2\frac{3}{4}$ inch cast wheel with roller bearing to run on No. 102 New York Rail.

Packed one pair in a box with $\frac{5}{16} \times 2\frac{1}{4}$ inch carriage bolts. Twelve pairs in a carton.

Quantity and Size of Carriage Bolts, Each	Pr. in Box	Dz. Pr. in Carton	Weight per Carton
2— $\frac{5}{16} \times 2\frac{1}{4}$	1	1	60



Cleveland Hanger Numbers 1 and 2

Hangers have roller bearings, cast wheels and steel frames. $3\frac{1}{2}$ inch and 4 inch heavy cast wheels are used. Made especially for flat track. Number 1 Hangers, $10\frac{1}{2}$ inch by $5\frac{1}{2}$ inch with drop-strap made of $\frac{3}{8} \times 1$ inch steel. Number 2 Hangers are $11\frac{1}{2}$ inch by $6\frac{1}{2}$ inch with drop-strap made of $\frac{1}{4} \times 1$ inch steel. Both Hangers run on our No. 102 Rail, ($1\frac{1}{4} \times \frac{3}{16}$ inch) as well as flat track made by other manufacturers.

Packed in cartons without bolts or screws.

Item Number	Dz. Pr. in Carton	Weight per Carton
1 Cleveland	1	68
2 Cleveland	$\frac{1}{2}$	50

Number 51 Hanger



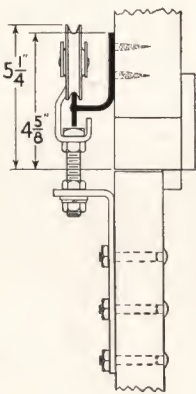
No. 51 Hanger

A double truck hanger with roller bearings and vertical adjustment for No. 102 rail.

Packed one only hanger in a box with bolts.

Quantity and Size of Carriage Bolts, Each	No. in Box	No. in Carton	Weight per Carton
3— $\frac{5}{16}$ x $2\frac{1}{4}$	1	6	23

Number 52 Hanger



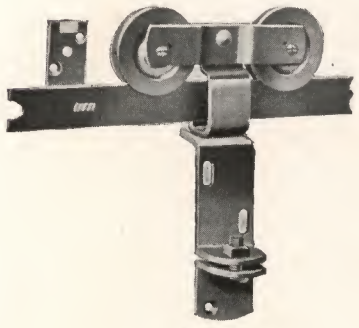
No. 52 Hanger

A single truck hanger with roller bearings and vertical adjustment for No. 102 rail.

Packed one only hanger in a box with bolts.

Quantity and Size of Carriage Bolts, Each	No. in Box	No. in Carton	Weight per Carton
3— $\frac{5}{16}$ x $2\frac{1}{4}$	1	6	20

Number 61 Hanger



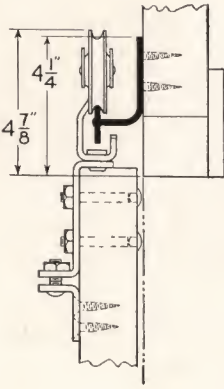
No. 61

A swivel, double truck hanger with roller bearings and vertical adjustment for No. 102 rail.

Packed one hanger in a box with bolts and screws.

Quantity and Size of Screws, Each	Quantity and Size of Carriage Bolts, Each	No. in Box	No. in Ctn.	Weight per Carton
2— $1\frac{1}{2}$ x 12 F.H.	2— $\frac{5}{16}$ x $2\frac{1}{4}$	1	6	22

Number 61S Hanger



No. 61S

A swivel, single truck hanger with roller bearings and vertical adjustment for No. 102 rail.

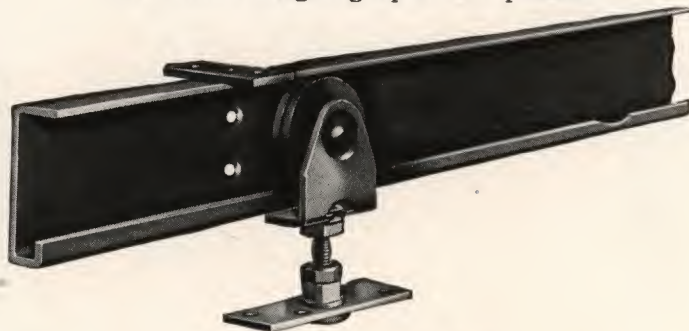
Packed one hanger in a box with bolts and screws.

Quantity and Size of Screws, Each	Quantity and Size of Carriage Bolts, Each	No. in Box	No. in Ctn.	Weight per Carton
2— $1\frac{1}{2}$ x 12 F.H.	2— $\frac{5}{16}$ x $2\frac{1}{4}$	1	6	16

Interior Door Hangers and Rail

Number 20 Hanger Number 202 Rail

Minimum Headroom $3\frac{3}{4}"$
For Doors weighing up to 150 pounds



No. 20 Hanger and 202 Rail
Number 20 Hanger

This hanger is designed to slide light Interior, Wardrobe or Closet Doors 1" to $1\frac{3}{4}"$ thick in standard 2" x 4" partitions. Conserves wall space. Doors can be fitted close to floor; no rug clearance necessary.

Installation details shown on Pages 250 and 251.

This hanger has a 2" diameter rubber-covered steel wheel and a ball bearing race, assuring silent, easy operation. It has both lateral and vertical adjustments which are accessible after door is hung.

A solid brass vertical adjusting nut prevents freezing of the adjustment. Hanger is Zinc Plated.

Packed one pair (two hangers) in a box with one door guide, two rubber bumpers and screws; 12 pairs in a carton.

Weight per carton $19\frac{1}{2}$ pounds

Number 202 Rail

This rail is made from 16-gauge steel and has a cut-out 18" from each end to allow insertion or removal of the hanger after the rail is installed. Brackets are located 4" from each end of rail so that a small section may be cut off to accommodate doors slightly smaller than used with standard rail lengths. Holes are also provided for side attachment when desired.

Furnished in 4, 5, 6, 8 and 10 foot lengths.

Weight per 100 feet.....90 pounds.

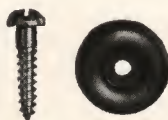
Feet per Standard Bundles.

Length of Rail, feet	4	5	6	8	10
Number of Brackets, each length.....	3	4	4	5	6
Feet per Bundle	8	10	12	16	20
Weight per Bundle, pounds	7	9	11	15	18

Illustrations One-half Actual Size



Illustration of Rubber
Wheel Construction



Rubber Bumper

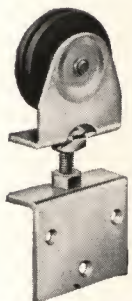


Door Guide

Interior Door Hanger Number 20½

Minimum Headroom 3¾"

For Doors Weighing Up to 150 Pounds



Number 20½
Hanger

This is the same hanger as the Number 20 (shown on opposite page) except with an apron for side attachment for use on plywood, very thin doors, or where the construction does not permit top attachment.

Installation details shown on Pages 250 and 251.

Hanger is Zinc Plated.

Packed one pair (two hangers) in a box with one door guide, two rubber bumpers and screws; 12 pairs in a carton.

Weight per carton.....21 pounds

Flush Door Pull Number SC402 (Wrought Steel) Number SC402-A (Wrought Brass)

(SC402 U. S. Govt. Type F1213)

(SC402-A U. S. Govt. Type 1213)



Cut ½ Actual
Size

Size	Depth of Mortise	Quantity and Size of Screws, Each	Dz. in Box	Gr. in Carton	Weight per Carton
3 5/8" x 1 3/8"	3/8"	2—3/4x6 F.H.	1	2	22

For list of finishes see Page 9.

Edge Door Pull Number SC406

This Door Pull is designed for use on the end of sliding interior, wardrobe or closet doors. Made of Number 3 Zinc Alloy and furnished in all plated finishes.



Front View
Closed
Cuts ½ Actual Size



Side View
Open

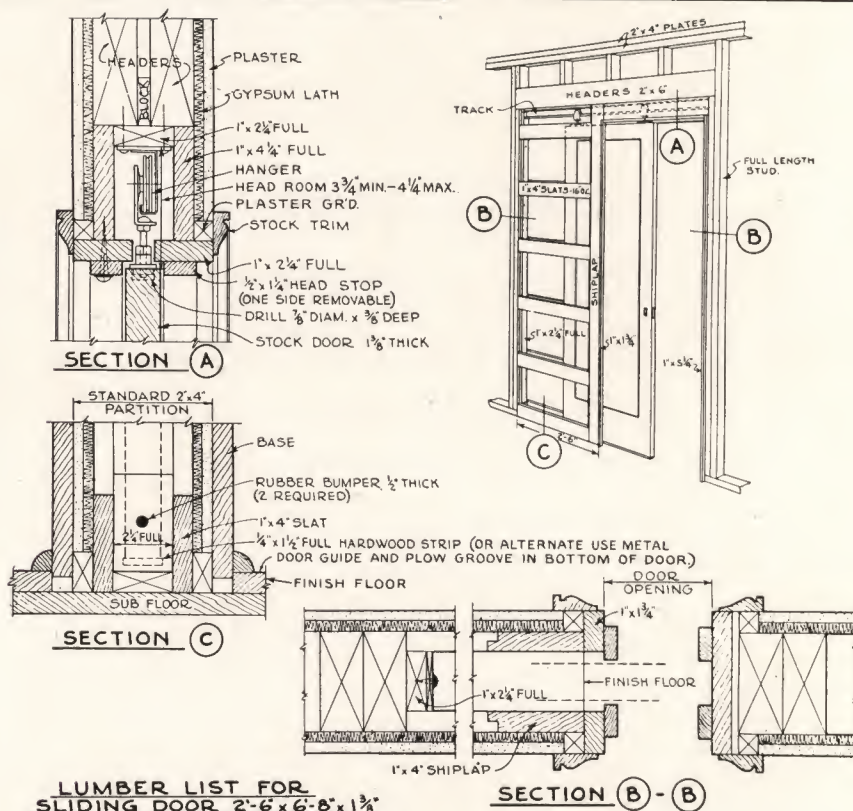
Size of Front Plate	Depth of Mortise	Quantity and Size of Screws, each	Dz. in Box	Dz. in Carton	Weight per Carton
3/4" x 4 3/8"	1 1/8"	2—3/4x6 F.H.	1	10	19

For list of finishes see Page 9.

Installation Detail

SILENT INTERIOR DOOR HANGER No. 20 or No. 20½ and RAIL No. 202

SINGLE DOOR INSTALLATION



LUMBER LIST FOR SLIDING DOOR 2'-6" x 6'-8" x 1 3/8"

ROUGH OPENING 5'-1 1/2" x 7'-2 1/2"
USE 2'-2" x 6" ON EDGE FOR HEADER.

- | | | |
|----|------|---|
| 12 | Pcs. | 1" x 4" x 2'-2 3/4" (RABBIT ONE END) |
| 2 | - | 1" x 4" x 7'-2 1/2" (RIP 1" x 8" SHIPLAP) |
| 1 | - | 1" x 2 1/4" FULL x 7'-2 1/2" |
| 1 | - | 1" x 2 1/4" FULL x 5'-0" |
| 1 | - | 1" x 2 1/4" FULL x 2'-5 1/4" |
| 2 | - | 1" x 4 1/4" FULL x 2'-7 1/2" |
| 1 | - | 1" x 2 1/4" FULL x 0'-4 1/2" |

FINISHED JAMB

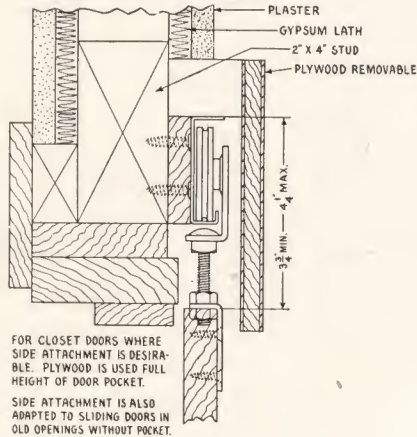
- | | | |
|---|------|--|
| 1 | Pcs. | 1" x 5 1/2" FULL x 6'-9 1/2" |
| 2 | - | 1" x 1 1/2" FULL x 6'-9 1/2" |
| 2 | - | 1" x 2 1/4" FULL x 2'-6" |
| 4 | - | 1/2" x 1 1/2" x 6'-8 1/2" (STANDARD STOPS) |
| 2 | - | 1/2" x 1 1/2" x 2'-6" |
| 1 | - | 1/2" x 1 1/2" FULL x 2'-6" HARDWOOD STRIP |

A CUT OUT IN THE RAIL LOCATED 18" FROM EITHER END PERMITS INSERTION OR REMOVAL OF HANGER AFTER RAIL IS INSTALLED. BRACKETS ARE LOCATED 4" FROM EACH END OF RAIL SO THAT A SMALL SECTION OF RAIL MAY BE CUT OFF TO ACCOMMODATE DOORS SLIGHTLY SMALLER THAN USED WITH STANDARD RAIL LENGTH.

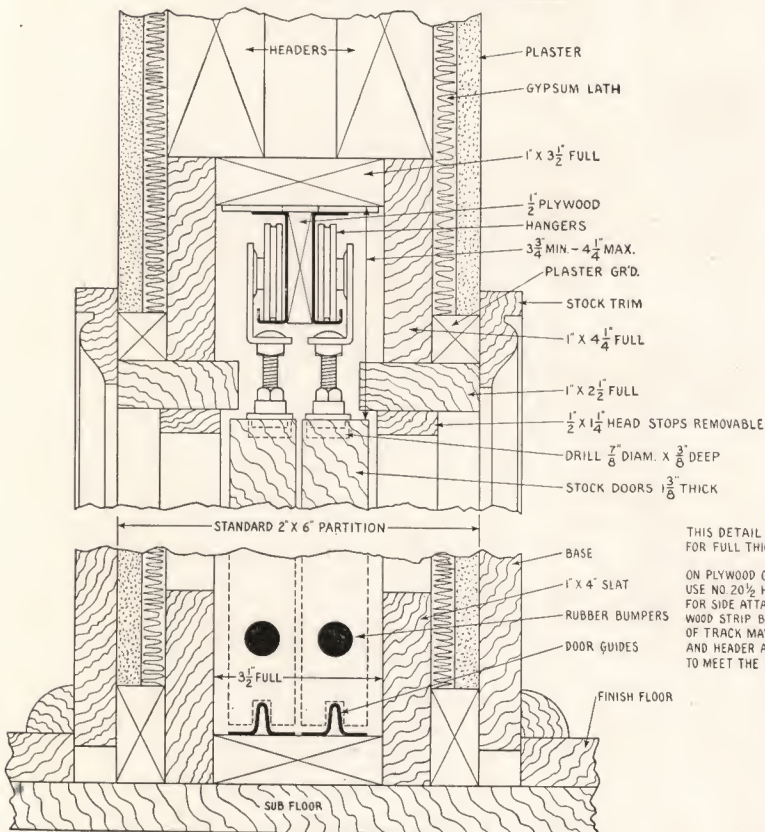
Installation Detail

SILENT INTERIOR DOOR HANGER No. 20 or No. 20½ and RAIL No. 202

SINGLE SIDE ATTACHMENT



PASSING DOORS INSTALLATION

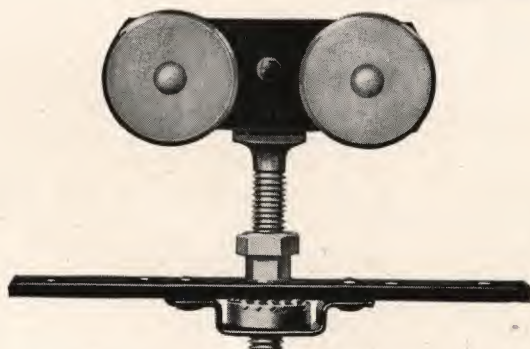


Accordion Door Hangers

For Folding Doors, Sliding Partitions, Passing Doors, and Accordion Doors

Using Number 301 Rail

Head room required $5\frac{1}{4}$ inches.

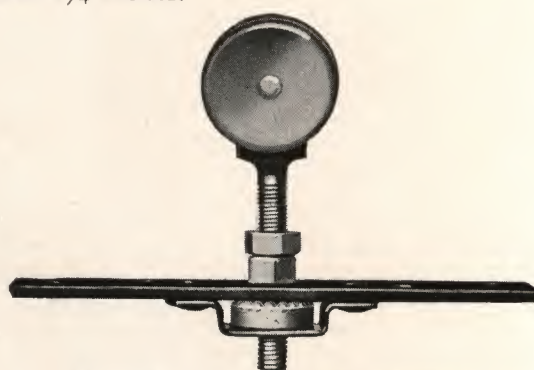


Number 22 (Fibre Wheels)
Number 22S (Steel Wheels)

This hanger is recommended for center hung doors where attachment is made to every alternate door. A half door is required at one end as shown in Fig. B on Page 253. Center hung doors are recommended as the load is suspended centrally providing an easily operated installation.

The hanger has a roller bearing truck with four vulcanized fibre wheels. Available with steel wheels when specified. The pendant plate has vertical adjustment and is equipped with ball-bearing swivel.

Hangers are packed one only in a box with screws.

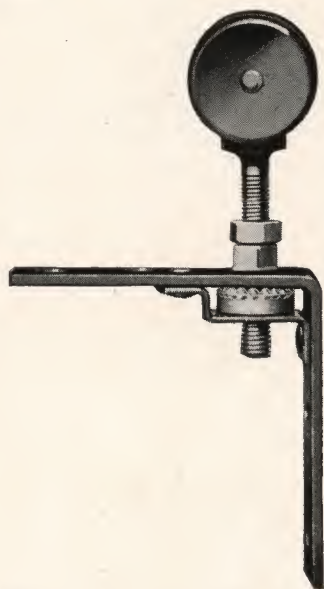


Number 22 $\frac{1}{2}$ (Fibre Wheels)
Number 22 $\frac{1}{2}$ S (Steel Wheels)

This hanger is designed for center hung doors where it is desirable to attach a hanger to each door. A half door is required at one end as shown in Fig. A on Page 253. Center hung doors are recommended as the load is suspended centrally providing an easily operated installation.

The hanger has two vulcanized fibre wheels set in a roller bearing truck frame. Available with steel wheels when specified. The pendant plate has vertical adjustment and is equipped with ball-bearing swivel.

Hangers are packed one only in a box with screws.



Number 24 $\frac{1}{2}$ (Fibre Wheels)
Number 24 $\frac{1}{2}$ S (Steel Wheels)

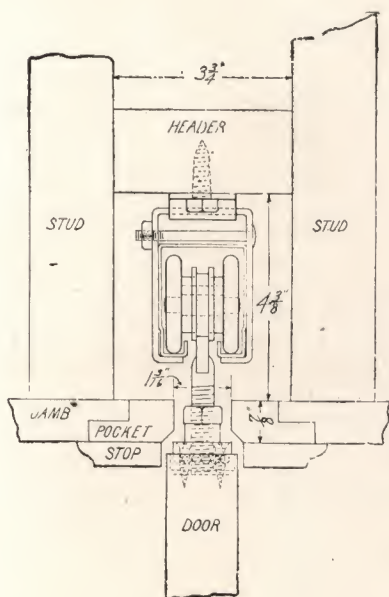
This hanger is designed for those applications where it is necessary that the doors be edge hung instead of center hung. In this application the doors fold on one side of the opening as required under certain conditions.

All full size doors are used in this application as shown in Fig. C on Page 253.

The hanger has two vulcanized fibre wheels set in a roller bearing truck frame. Available with steel wheels when specified. The pendant plate has vertical adjustment and is equipped with ball-bearing swivel.

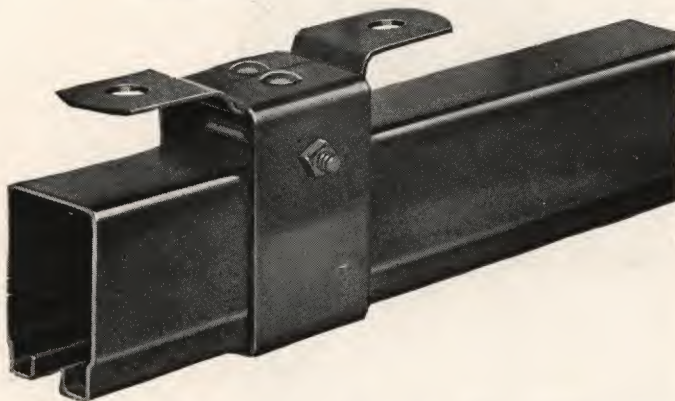
Hangers are packed one only in a box with screws.

Item Number	Size of Plate		Quantity and Size of Screws, Each	Number in Box	Number in Carton	Weight per Carton
	Top	Vertical				
22	$1\frac{1}{4}" \times 7\frac{3}{4}" \times \frac{3}{16}"$		4— $1\frac{1}{2} \times 12$ F.H.	1	10	27
22S	$1\frac{1}{4}" \times 7\frac{3}{4}" \times \frac{3}{16}"$		4— $1\frac{1}{2} \times 12$ F.H.	1	10	30
22 $\frac{1}{2}$	$1\frac{1}{4}" \times 7\frac{3}{4}" \times \frac{3}{16}"$		4— $1\frac{1}{2} \times 12$ F.H.	1	10	20
22 $\frac{1}{2}$ S	$1\frac{1}{4}" \times 7\frac{3}{4}" \times \frac{3}{16}"$		4— $1\frac{1}{2} \times 12$ F.H.	1	10	22
24 $\frac{1}{2}$	$1\frac{1}{4}" \times 4\frac{1}{2}" \times \frac{3}{16}"$	$1\frac{1}{4}" \times 4" \times \frac{3}{16}"$	4— $1\frac{1}{2} \times 12$ F.H.	1	10	20
24 $\frac{1}{2}$ S	$1\frac{1}{4}" \times 4\frac{1}{2}" \times \frac{3}{16}"$	$1\frac{1}{4}" \times 4" \times \frac{3}{16}"$	4— $1\frac{1}{2} \times 12$ F.H.	1	10	22



Accordion Hanger Track

LAWRENCE TROLLEY RAIL NUMBER 301.
BRACKET NUMBER 6-301.



Lawrence Trolley Rail Number 301 and Bracket Number 6-301 are used with Accordion Door Hangers Numbers 22, 22½ and 24½.

It is important that the first three brackets over the doors attached to jamb, be placed one or one and one-half feet apart accord-

ing to the weight of the doors. The remainder of the track should be supported with brackets not over two feet apart.

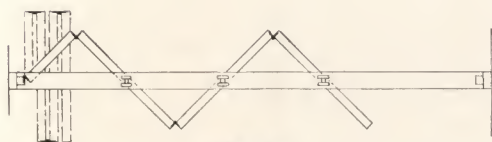


Fig. A

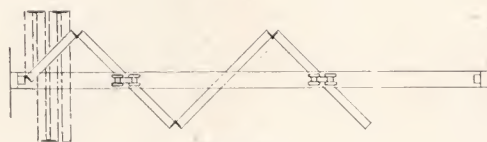


Fig. B

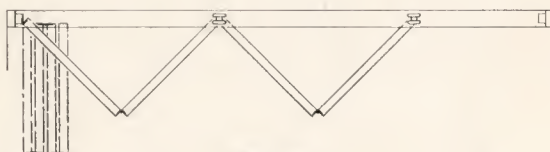


Fig. C

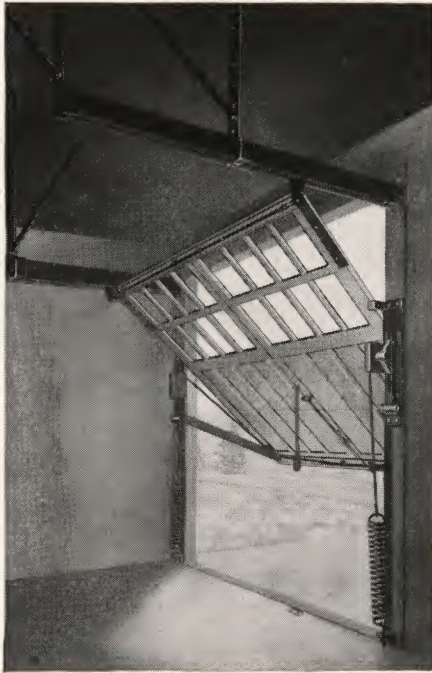
Figure A shown above illustrates the hanger attachment for Number 22½ single truck hanger.

Figure B shown above illustrates the hanger attachment for Number 22 double truck hanger.

Figure C shown above illustrates the hanger attachment for Number 24½ single truck hanger.

It is essential that full size doors be of the same width and that they have square edges.

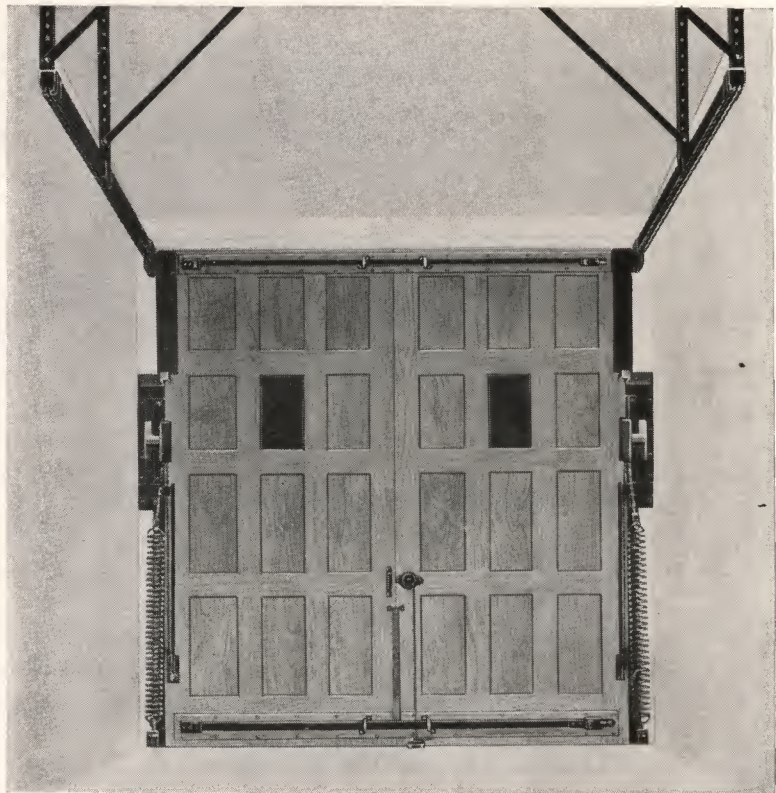
Three feet should be the maximum width of full sized doors. Half door should be 1 inch narrower than one-half width of full size doors.



Number 50B Quick Rising Door Set

FEATURES OF THIS SET

- 1—Easiest overhead door on the market to install.
- 2—Only two inches of headroom required.
- 3—Simplest and greatest range of adjustment of any set to weight of door.
- 4—Long life of power springs and the hardware.
- 5—Ease of operation and the unusually quick rise.
- 6—Furnished with Cylinder Lock.



Lawrence Quick Rising Door Set Number 50B

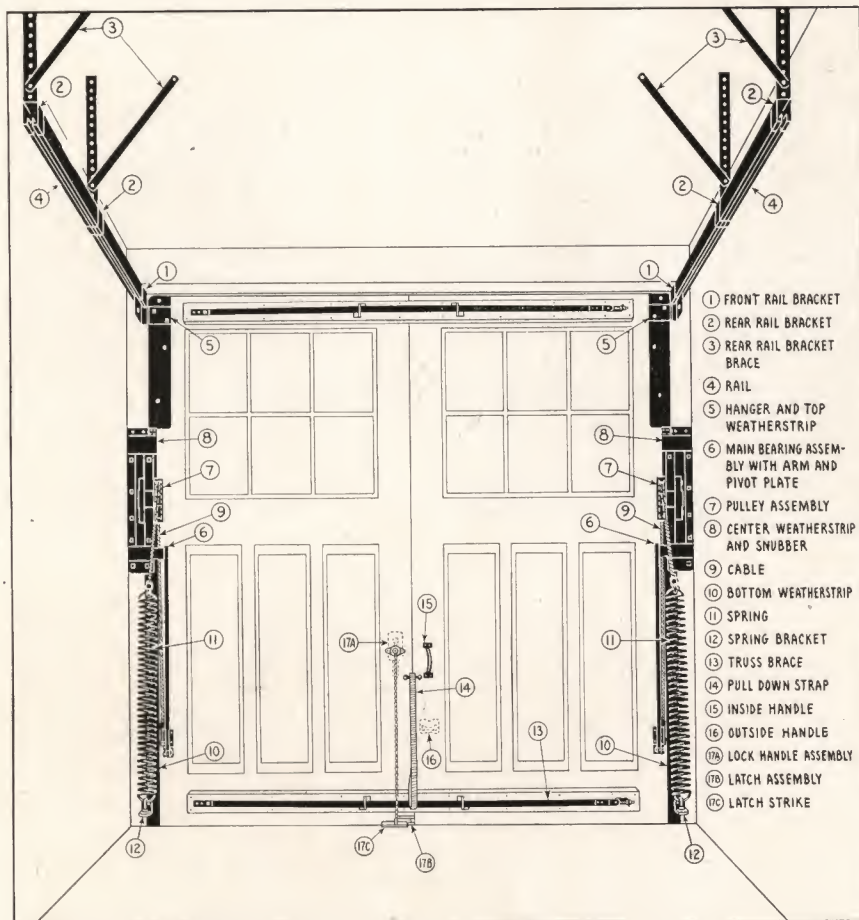
TWO SIZES

9' Set

9' set for doors 8' to 16' wide x 8' to 9' high, weighing from 350 to 650 pounds.

10' Set

10' set for doors 8' to 16' wide x 9' to 10' high, weighing from 450 to 650 pounds.



This ingenious, strongly constructed set, providing an upward acting door of only one panel, permits the use of regular stock doors.

The lifting power of this set is provided by two exceptionally large oil-tempered coil springs. Only $\frac{1}{3}$ of their potential power is utilized in raising the door to its overhead position, thus assuring long life.

The main bearing is a roller bearing of ample size and strength for frictionless operation.

Smooth double-truck roller bearing hangers and box type track. Unique design uses the spring as a snubber to check the door silently and gently.

Strap type truss brace strengthens built-up doors and makes sectional doors into a rigid one-piece door.

Metal weatherstrip furnished makes a weathertight installation.

Items listed in above illustration included in this set.

All hardware, including braces, packed in a carton; rail packed separately.

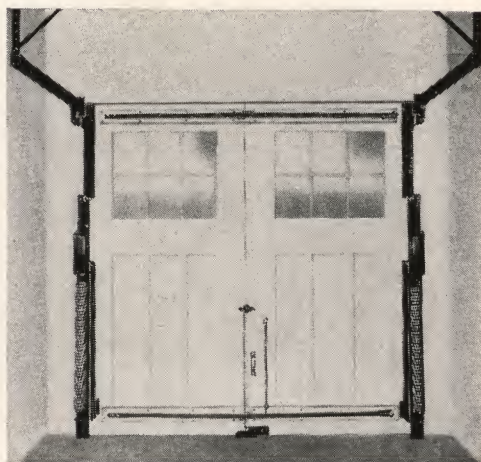
Weight per set, with rail, 9' set.....325 pounds

Weight per set, with rail, 10' set.....350 pounds

Quick Rising Door Set

No. 48

For doors 7' to 8' wide and 7' to 8' high, weighing from 100 to 250 pounds.



Requires only 2" headroom and 3¼" width of jamb.

The main bearing is a roller bearing of ample size and strength for frictionless operation and full utilization of spring power.

Smooth double-truck roller bearing hangers and box type track.

Strap type truss brace strengthens built-up doors and makes sectional doors into a rigid one-piece door.

Simple and adequate adjustments provided for full weight and size range of set. Main unit angles provided with slotted holes for easy adjustment of side clearance. Unique design uses the spring as a snubber to check the door silently and gently.

Furnished with metal weatherstrip which makes set weathertight and has our Number 435 Gravity Lock included (shown on Page 259).

Items listed in diagram at bottom of opposite page are included in this set.

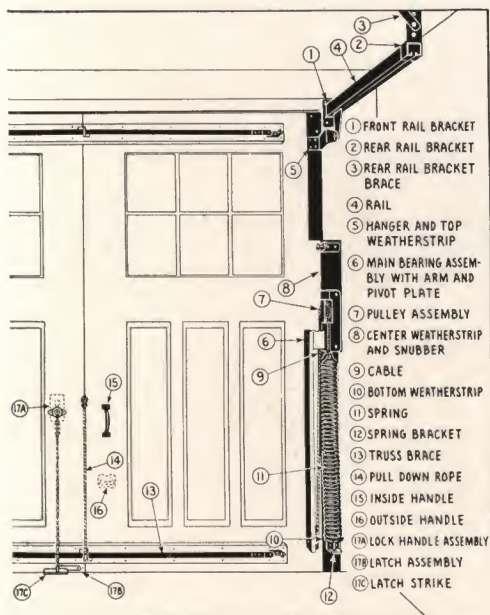
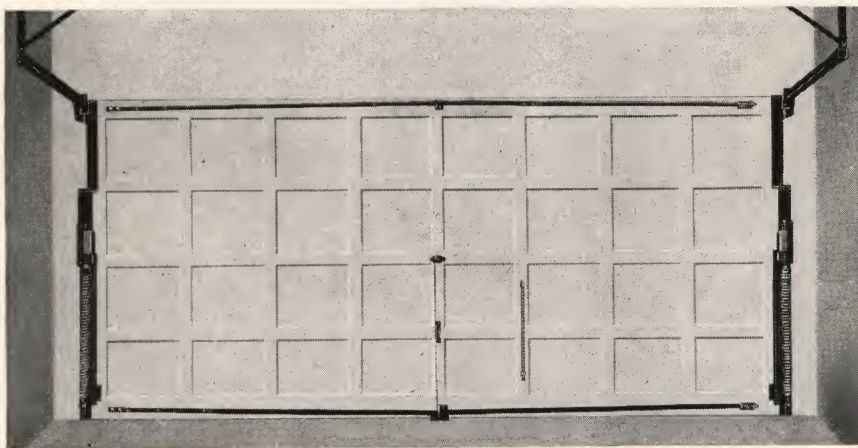
Installation is extremely simple with illustrated instructions furnished.

All hardware, including braces, packed in a carton; rail packed separately.

Weight per set.....125 pounds

Quick Rising Door Set No. 48½

For doors 8' to 16' wide and 7' to 8' high, weighing from 150 to 350 pounds.



This set has the same features as our No. 48 set (shown on opposite page) except furnished with heavy springs to handle doors weighing up to 350 pounds.

The strap type truss brace furnished with this set is designed for doors up to 16' wide and is provided with extra holes for doors down to 8' in width.

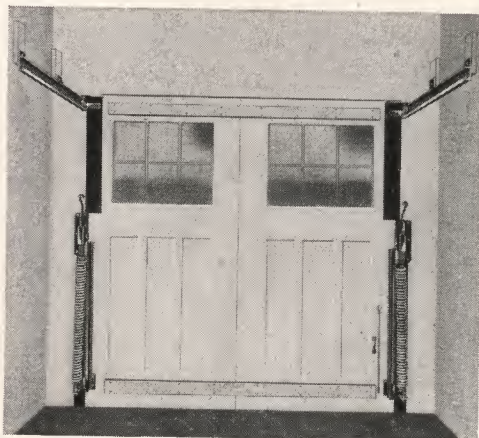
Items listed in diagram at left are included in this set.

All hardware, including braces, packed in a carton; rail packed separately.

Weight per set.....128 pounds

Quick Rising Door Set No. 47

For doors 7' to 8' wide and 6' to 7' high, weighing from 100 to 200 pounds.



This set requires only 2" of headroom for rail and width of jamb required for main bearing is $3\frac{3}{4}$ ".

The main bearing is a roller bearing of ample size and strength for frictionless operation and full utilization of spring power.

Free-gliding single-wheel roller bearing hangers.

Unique design uses the spring as a snubber to check the door silently and gently. Furnished with metal weatherstrip and Number 437 Bolt Lock (shown on Page 259). Simple and adequate adjustments provided for full weight and size range of set.

Main unit angles provided with slotted holes for easy adjustment of side clearance.

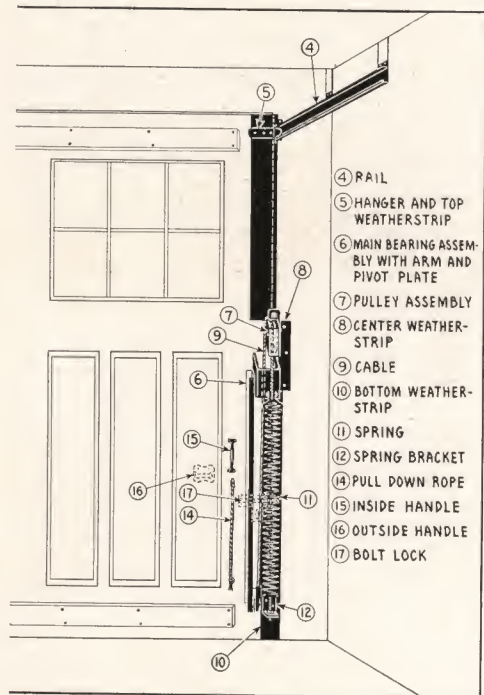
Installation is extremely simple with illustrated instructions furnished.

An economical set to install and will give entire satisfaction.

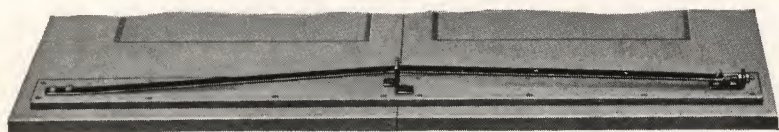
Items listed in diagram at left included in this set.

All hardware packed in a carton including rail.

Weight per set.....92 pounds



Truss Braces
For Overhead Sets
Numbers 47T and 48½T



This truss brace consists of a substantial steel strap which passes through a bridge piece in the center of the door, with tension adjustment at one end through a hook bolt as shown in the cut.
Where a one-piece door is built up on the job, the brace can be applied directly on the door. Where a sectional door is used, a 1x4 should be used to join the doors together, with the truss applied on the 1x4, making a rigid one-piece door as well as preventing warping.

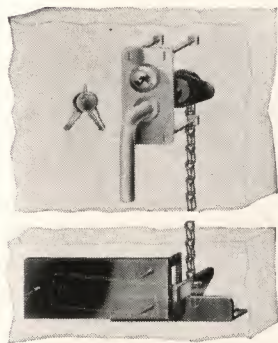
Number 47T

For doors up to 8' wide. The strap is designed for doors 8' in width. Extra holes are provided in the strap for doors 7½' and 7' in width.
Hook bolt is Zinc Plated and strap and bridge are Japanned.
Packed one in a box with bolts.

Number 48½T

For doors up to 16' wide. The strap is designed for doors 16' in width. Extra holes are provided in the strap for doors down to 8' in width.
Hook bolt is Zinc Plated and strap and bridge are Japanned.
Packed one in a box with bolts.

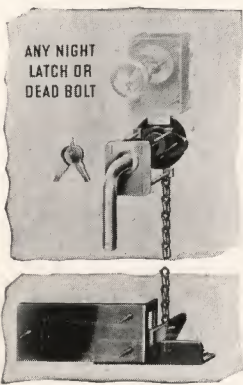
Garage Locks
For Overhead Doors



No. 435

GRAVITY GARAGE LOCK
Number 435

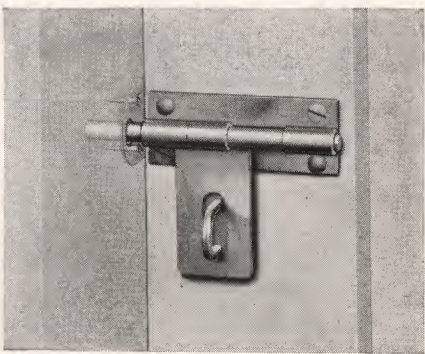
To provide a non-rattling door we have found the center of the door at the bottom the best place for the lock. Each lock furnished with two keys and substantial cylinder lock. Keys may be removed when lock is either locked or unlocked. Exterior parts furnished in Zinc Plated finish; inside parts in Japan.



No. 436

GRAVITY GARAGE LOCK
Number 436

A Lock designed so that the garage can be masterkeyed with the house. No cylinder is furnished with this lock, but any dead bolt or night latch can be used with it so that the same cylinder can be provided as is used on the house. Exterior parts furnished in Zinc Plated finish; inside parts in Japan.



No. 437-CD

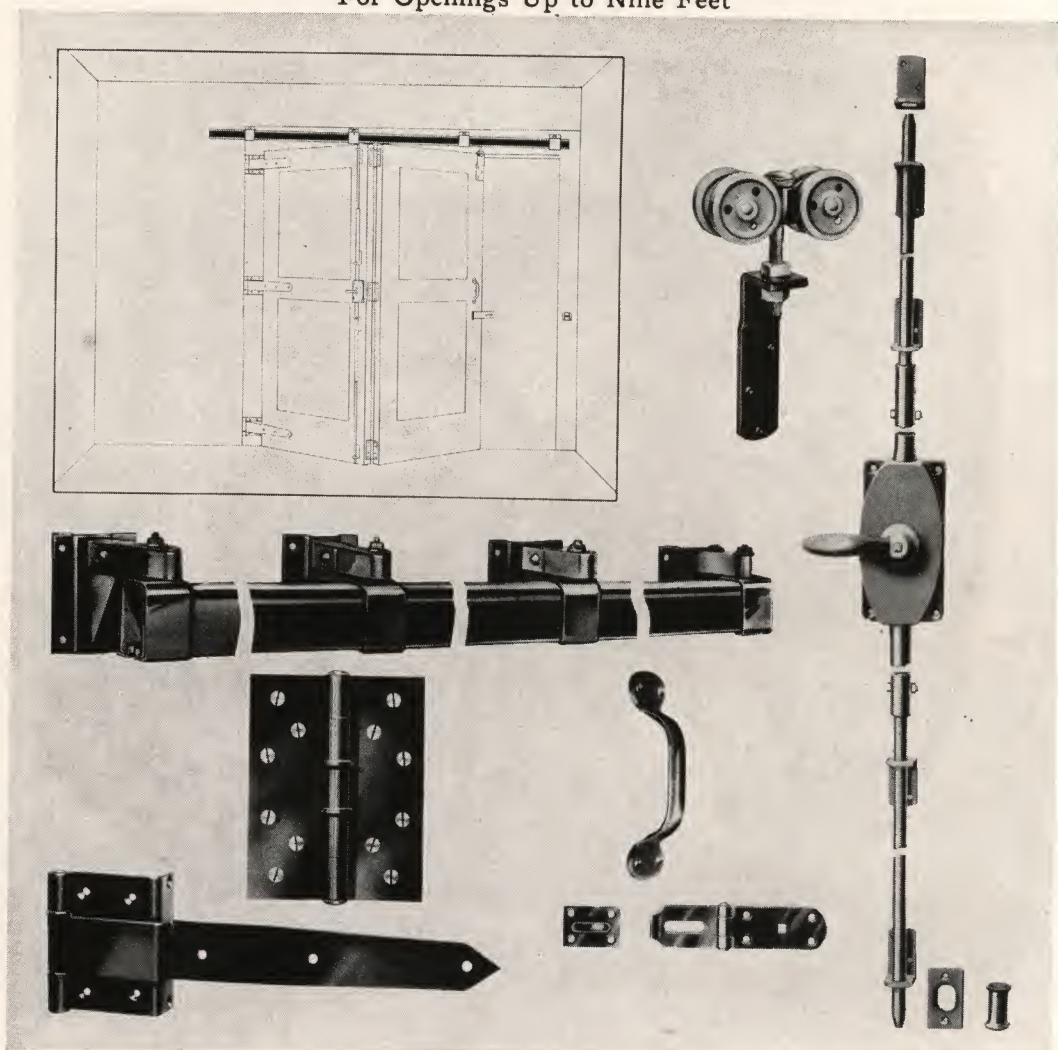
BOLT LOCK
Number 437-CD
Zinc Plated

A Bolt Lock designed for overhead doors. Either right or left hand and usable on the inside or outside of door. Any padlock may be used. Size of base 1 7/8 x 3 3/4". Dia. of bolt 3/8", length of bolt 5"; projection 1 1/4". Packed one lock and staple plate with 2 carriage bolts and 8 screws in a box.

Item Number	Quantity and Size of—			Number in Box	Number in Carton	Weight per Carton
	Lag Screws and Expansion Shields	F.H. Stove Bolts	F.H. Wood Screws			
435	2—5/16 x 2	4—3/16 x 2 1/4	3—1 1/4 x 10	1	6	17
436	2—5/16 x 2	4—3/16 x 2 1/4	3—1 1/4 x 10	1	6	16
437-CD		2—3/16 x 2 1/4	8—7/8 x 8	1	6	4

Two Door Set Number 71A3000

FOR EXTRA HEAVY GARAGE OR WAREHOUSE DOORS
For Openings Up to Nine Feet

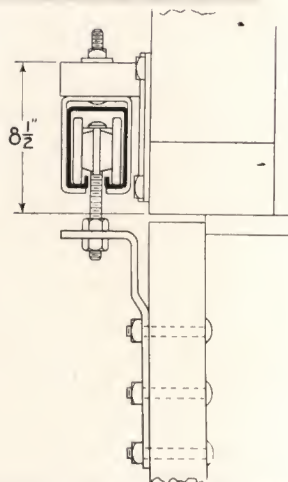


This set consists of:

- 1 only No. 41A3000 Hanger
- 1 only No. 41A3000 Short Bracket
- 1 only No. 41A3000 Medium Bracket
- 1 only No. 41A3000 Long Bracket
- 1 only No. 41A3000 Extra Long Bracket
- 1 pc. 10' No. 3000 Rail
- 1 only SC952 Cremone Bolt for doors 7' to 9' in height
(specify height on larger doors).
- 1½ Pr. SC943-J Hinges
- 1½ Pr. SC939-J Butts
- 1 only SC118-J Hasp
- 2 only SC210-J Handles

Packed one set in a carton with cremone bolt in separate carton
and rail tied in bundles.

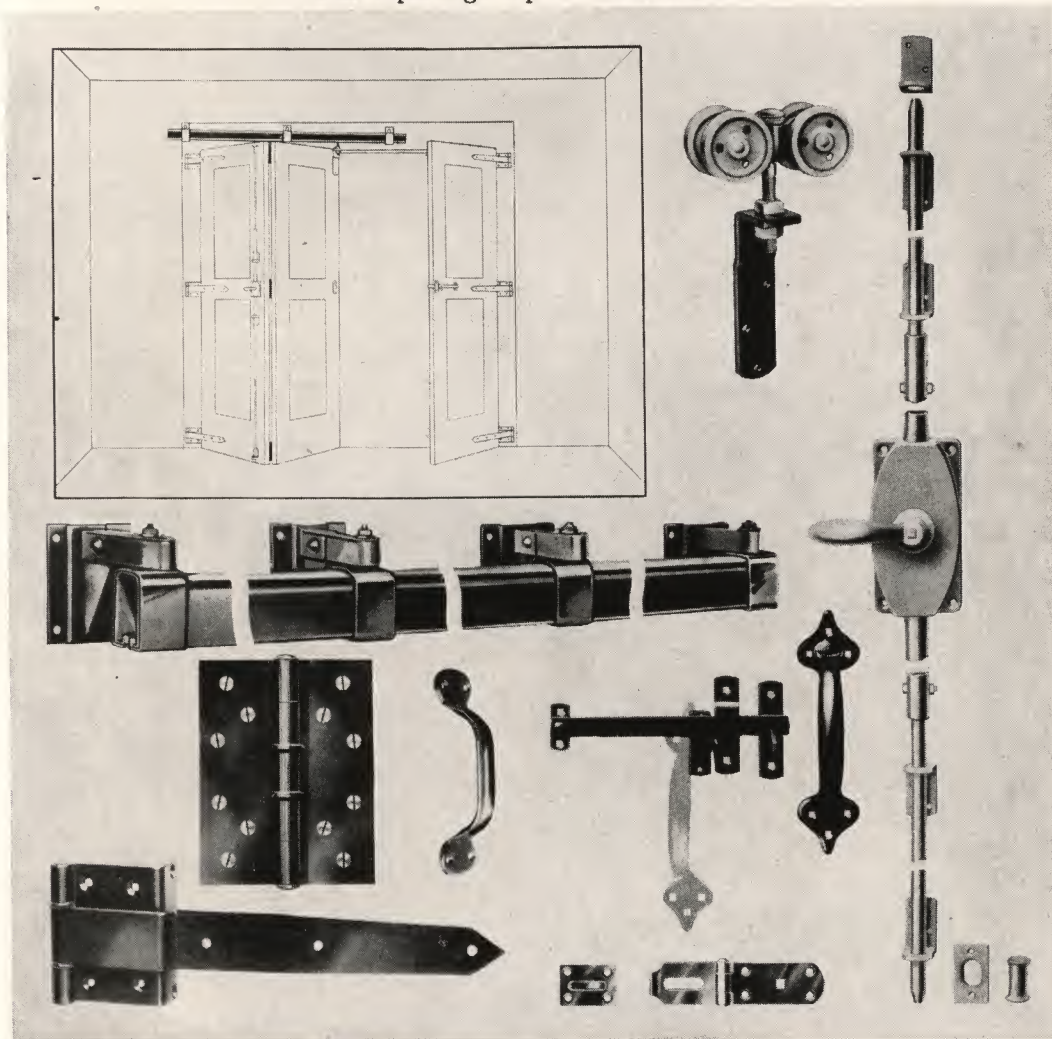
Weight per set with rail and cremone bolt.....118 pounds



Good Hardware since 1876

Three Door Set Number 41A3000

FOR EXTRA HEAVY GARAGE OR WAREHOUSE DOORS
For Openings Up to Twelve Feet

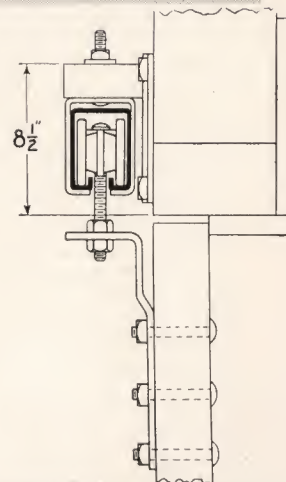


This set consists of:

- 1 only No. 41A3000 Hanger
- 1 only No. 41A3000 Short Bracket
- 1 only No. 41A3000 Medium Bracket
- 1 only No. 41A3000 Long Bracket
- 1 only No. 41A3000 Extra Long Bracket
- 1 pc. 8' No. 3000 Rail
- 1 only SC952 Cremone Bolt for doors 7' to 9' in height
(specify height on larger doors).
- 3 Pr. SC943-J Hinges
- 1½ Pr. SC939-J Butts
- 2 only SC210-J Handles
- 1 only SC118-J Hasp
- 1 only SC109-J Latch

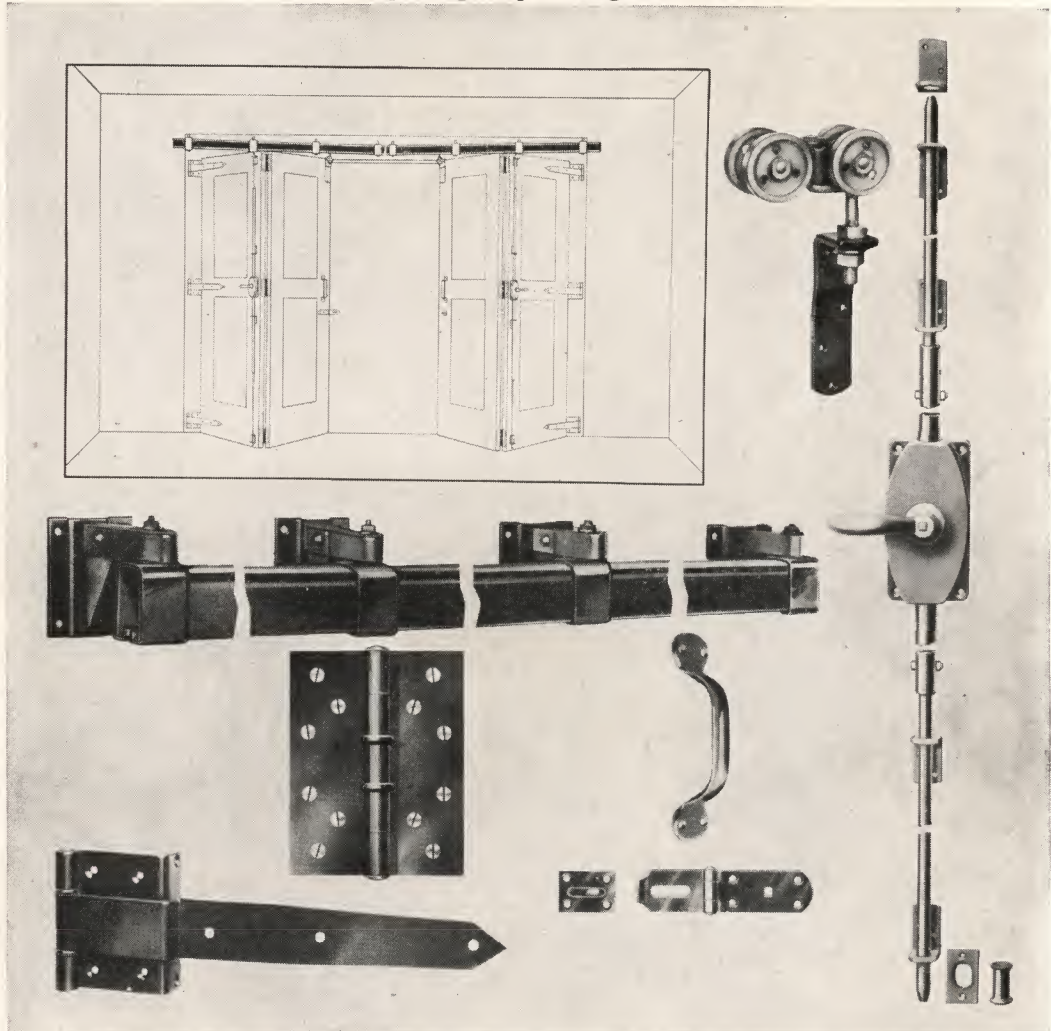
Packed one set in a carton with cremone bolt in separate carton
and rail tied in bundles.

Weight per set with rail and cremone bolt.....128 pounds



Four Door Set Number 42A3000

FOR EXTRA HEAVY GARAGE OR WAREHOUSE DOORS
For Openings Up to Eighteen Feet

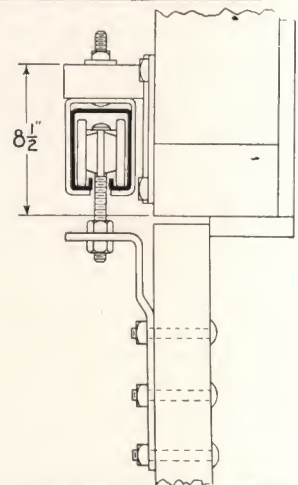


This set consists of:

- 2 only No. 42A3000 Hangers
- 2 only No. 41A3000 Short Brackets
- 2 only No. 41A3000 Medium Brackets
- 2 only No. 41A3000 Long Brackets
- 2 only No. 41A3000 Extra Long Brackets
- 2 Pcs. 10' No. 3000 Rail
- 2 only SC952 Cremone Bolts for doors 7' to 9' in height
(specify height on larger doors).
- 3 Pr. SC943-J Hinges
- 3 Pr. SC939-J Butts
- 4 only SC210-J Handles
- 1 only SC118-J Hasp

Packed one set in a carton with cremone bolts in separate carton and rail tied in bundles.

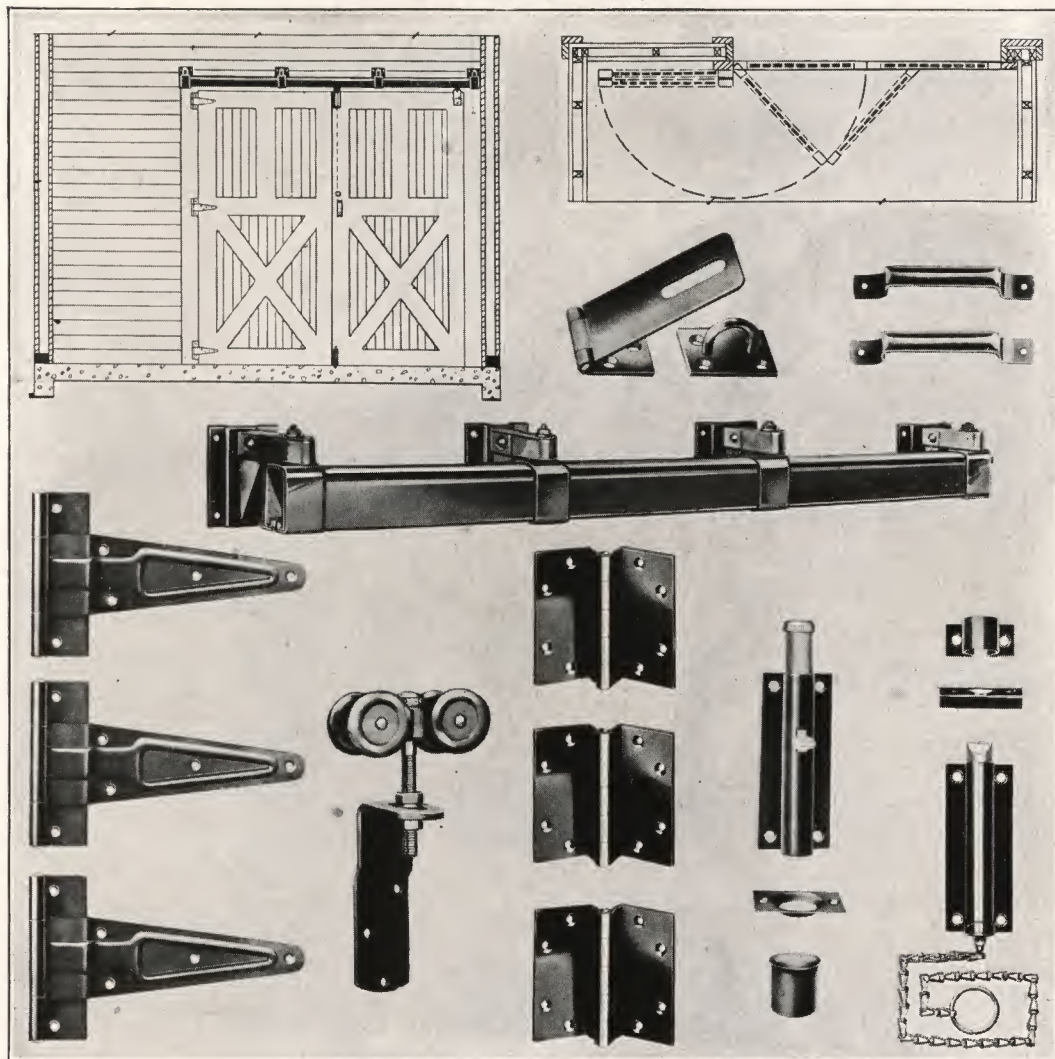
Weight per set with rail and cremone bolt.....233 pounds



Number 71A

Two Door Set

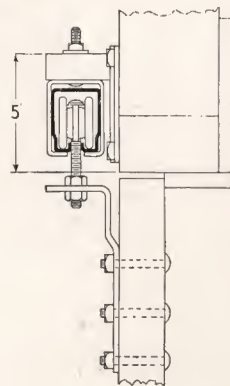
REGULAR WEIGHT DOORS
For Openings Up to Eight Feet



This set will take care of any opening up to an eight foot width and may be installed so that the doors swing either inside or outside the garage. It is recommended that where there is no other entrance to the garage, the rail and bolts be placed on the outside of the garage. Many old, sagging, swing doors can be converted to satisfactory service with this set. The set contains:

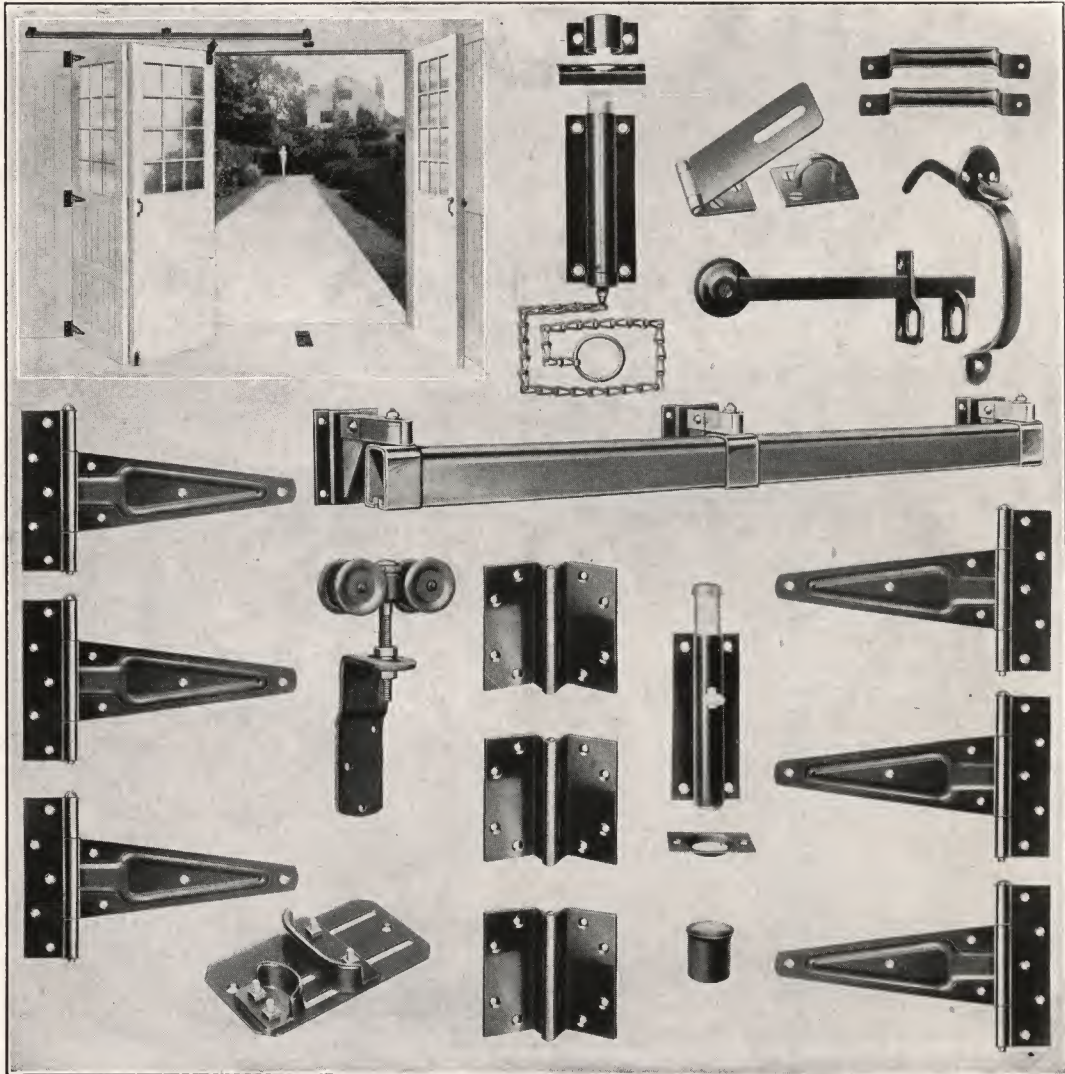
- 1 pc. 9' No. 301 Rail
- 1 only No. 41A Hanger
- 1 only No. 41A301 Short Bracket
- 1 only No. 41A301 Medium Bracket
- 1 only No. 41A301 Long Bracket
- 1 only No. 41A301 Extra Long Bracket
- 1½ Pr. SC341-J Butts
- 1½ Pr. 10" SC941-J Hinges
- 1 only 6" SC146-J Chain Bolt
- 1 only 6" SC145-J Foot Bolt
- 2 only SC207-J Handles
- 1 only 4½" SC119-J Hasp
- 1 only 60" SC1152 Garage Brace

Packed one set in a carton. Rail and Door Brace tied in bundles.
Weight per set with rail and brace.....43 pounds



Three Door Set Number 41A

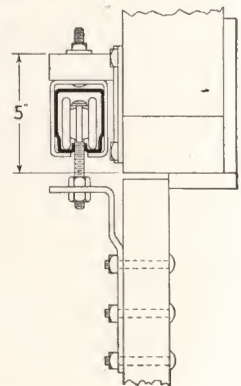
REGULAR WEIGHT DOORS
For Openings Up to Nine Feet



For a weathertight, easy-to-heat garage we especially recommend No. 41A. Its action is unimpeded by snow and bad weather and the hardware will outlast the building. This is one of the most thoroughly satisfactory garage sets ever devised. This set consists of:

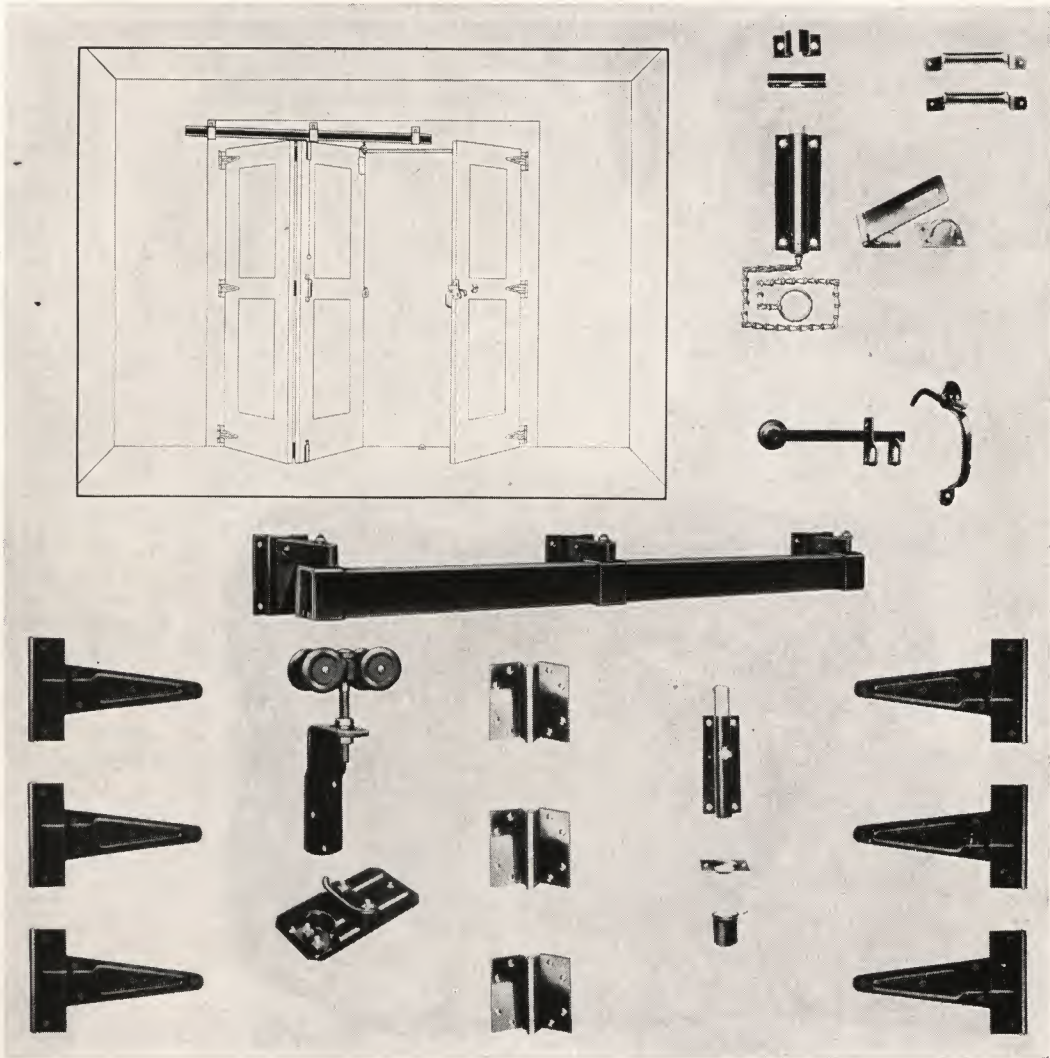
- 1 pc. 6½' No. 301 Rail
- 1 only No. 41A Hanger
- 1 only No. 41A301 Short Bracket
- 1 only No. 41A301 Medium Bracket
- 1 only No. 41A301 Long Bracket
- 1½ Pr. SC341-J Butts
- 3 Pr. 8" SC940-J Hinges
- 1 only 6" SC146-J Chain Bolt
- 1 only 6" SC145-J Foot Bolt
- 2 only SC207-J Handles
- 1 only SC105-J Latch
- 1 only 4½" SC119-J Hasp
- 1 only SC113½ Guide

Packed one set in a carton. Rail tied in bundles.
Weight per set with rail.....39 pounds



Three Door Set Number 41B With Offset Hinges

REGULAR WEIGHT DOORS
For Openings Up to Nine Feet



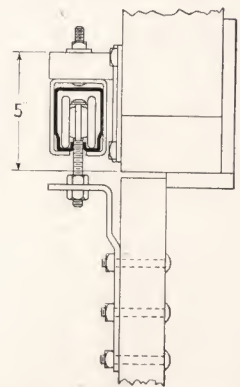
This is the same set as No. 41A (shown on opposite page) with three pairs 8 inch SC941 Hinges instead of SC940. These hinges will swing doors hinged to jamb clear of opening with doors standing at right angles to the building.

This set consists of:

- 1 pc. 6½' No. 301 Rail
- 1 only No. 41A Hanger
- 1 only No. 41A301 Short Bracket
- 1 only No. 41A301 Medium Bracket
- 1 only No. 41A301 Long Bracket
- 1½ Pr. SC341-J Butts
- 3 Pr. 8" SC941 Hinges
- 1 only 6" SC146-J Chain Bolt
- 1 only 6" SC145-J Foot Bolt
- 2 only SC207-J Handles
- 1 only SC105-J Latch
- 1 only 4½" SC119-J Hasp
- 1 only SC113½-J Guide

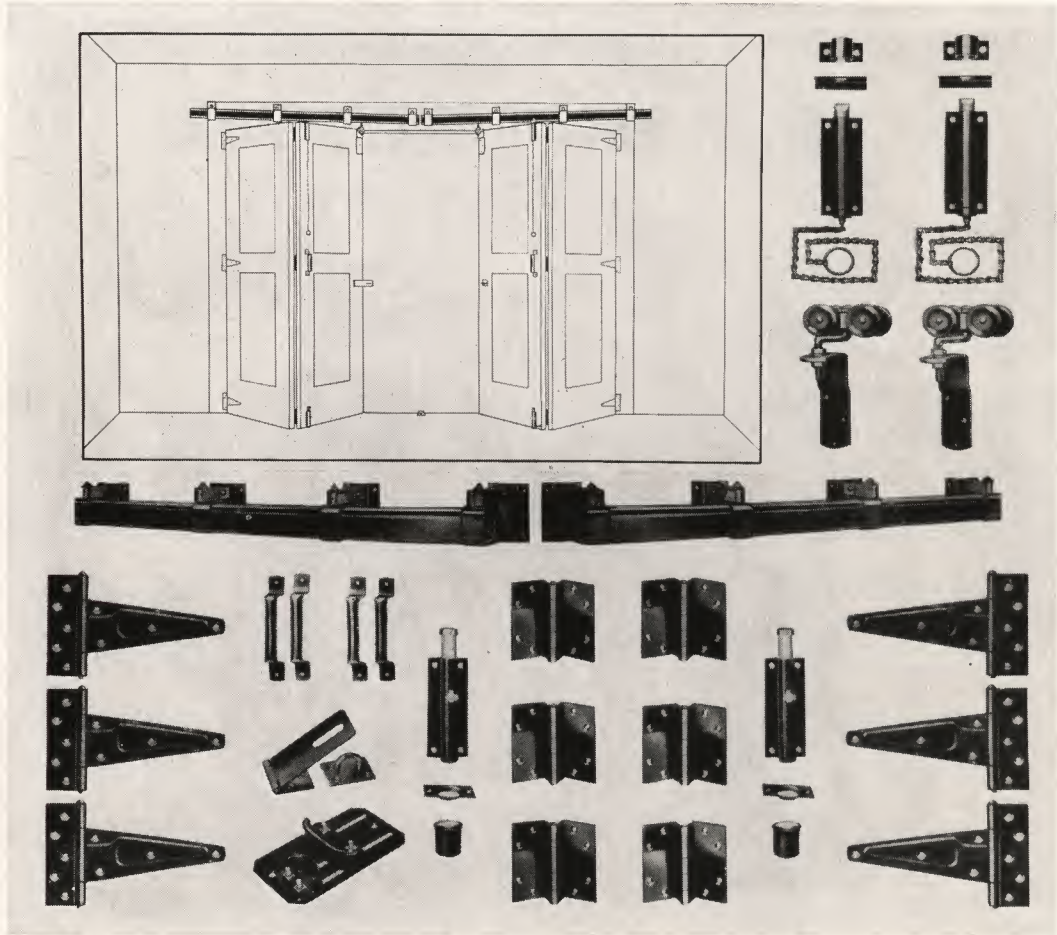
Packed one set in a carton. Rail tied in bundles.

Weight per set with rail.....40 pounds



Four Door Set Number 42A

REGULAR WEIGHT DOORS
For Openings Up to Seventeen Feet



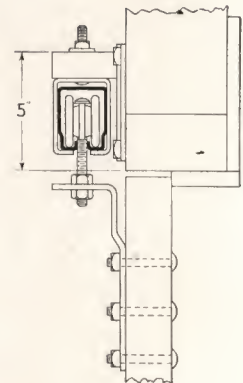
This set will take care of any opening up to seventeen feet. Can be used on wider openings by adding rail and brackets. It is recommended that where there is no other entrance to the garage at least one of the sets of two doors be arranged to open out, that is with the rail and foot and chain bolts on the outside of the garage. Set comes complete with all hardware for a 17 foot opening. For wider opening add rail and brackets.

This set consists of:

- 2 pcs. 9' No. 301 Rail
- 2 only No. 41A301 Short Brackets
- 2 only No. 41A301 Medium Brackets
- 2 only No. 41A301 Long Brackets
- 2 only No. 41A301 Extra Long Brackets
- 2 only No. 42A Hangers
- 3 Pr. SC341-J Butts
- 3 Pr. 8" SC940-J Hinges
- 2 only 6" SC146-J Chain Bolts
- 2 only 6" SC145-J Foot Bolts
- 4 only SC207-J Handles
- 1 only 4½" SC119-J Hasp
- 1 only SC113½-J Guide

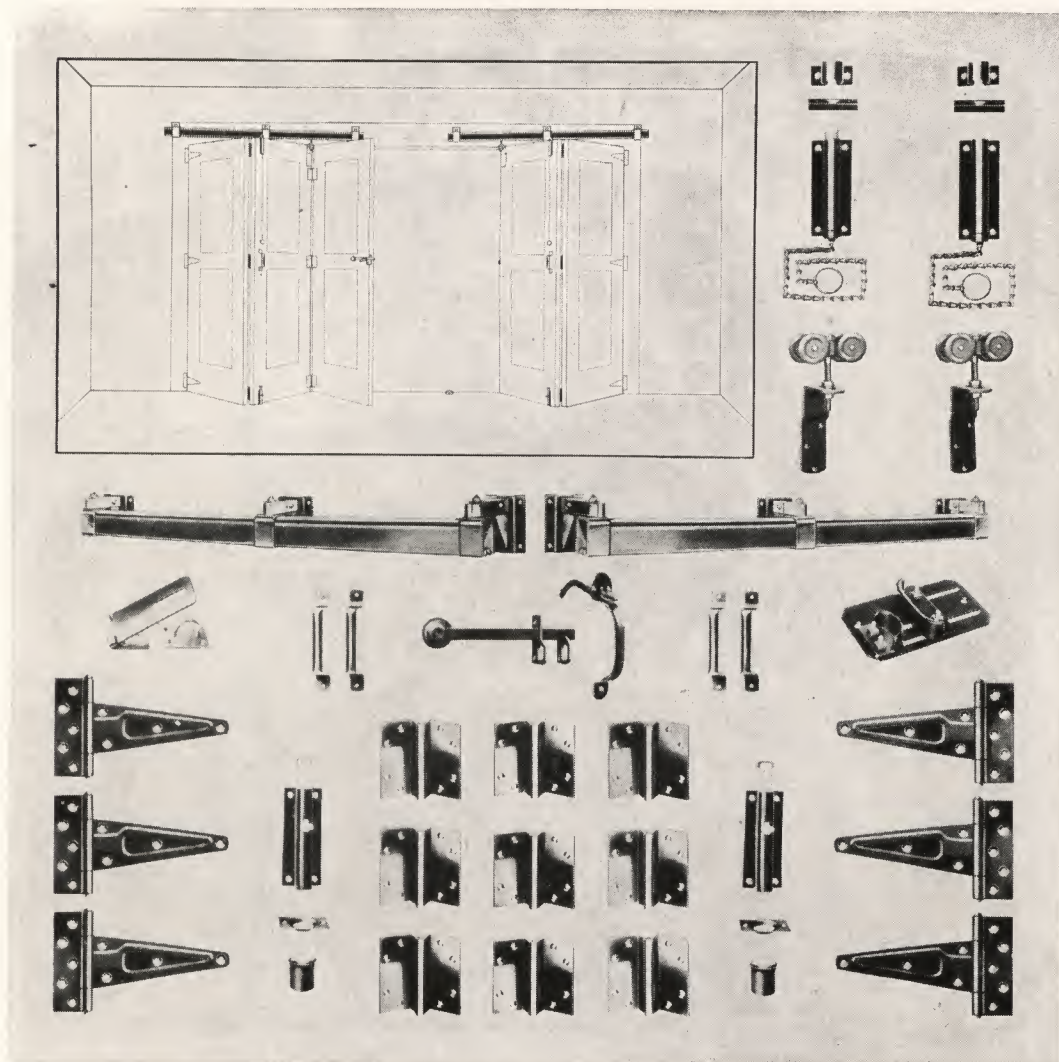
Packed one set in a carton. Rail tied in bundles.

Weight per set with rail.....80 pounds



Five Door Set Number 91A

REGULAR WEIGHT DOORS
For Openings Up to Fifteen Feet

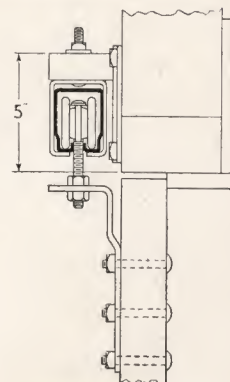


This set consists of:

- 2 pcs. 6½' No. 301 Rail
- 2 only No. 41A Hangers
- 2 only No. 41A301 Short Brackets
- 2 only No. 41A301 Medium Brackets
- 2 only No. 41A301 Long Brackets
- 2 only 6" SC146-J Chain Bolts
- 2 only 6" SC145-J Foot Bolts
- 4½ Pr. SC341-J Butts
- 3 Pr. 8" SC940-J Hinges
- 4 only SC207-J Handles
- 1 only SC105-J Latch
- 1 only 4½" SC119-J Hasp
- 1 only SC113½-J Guide

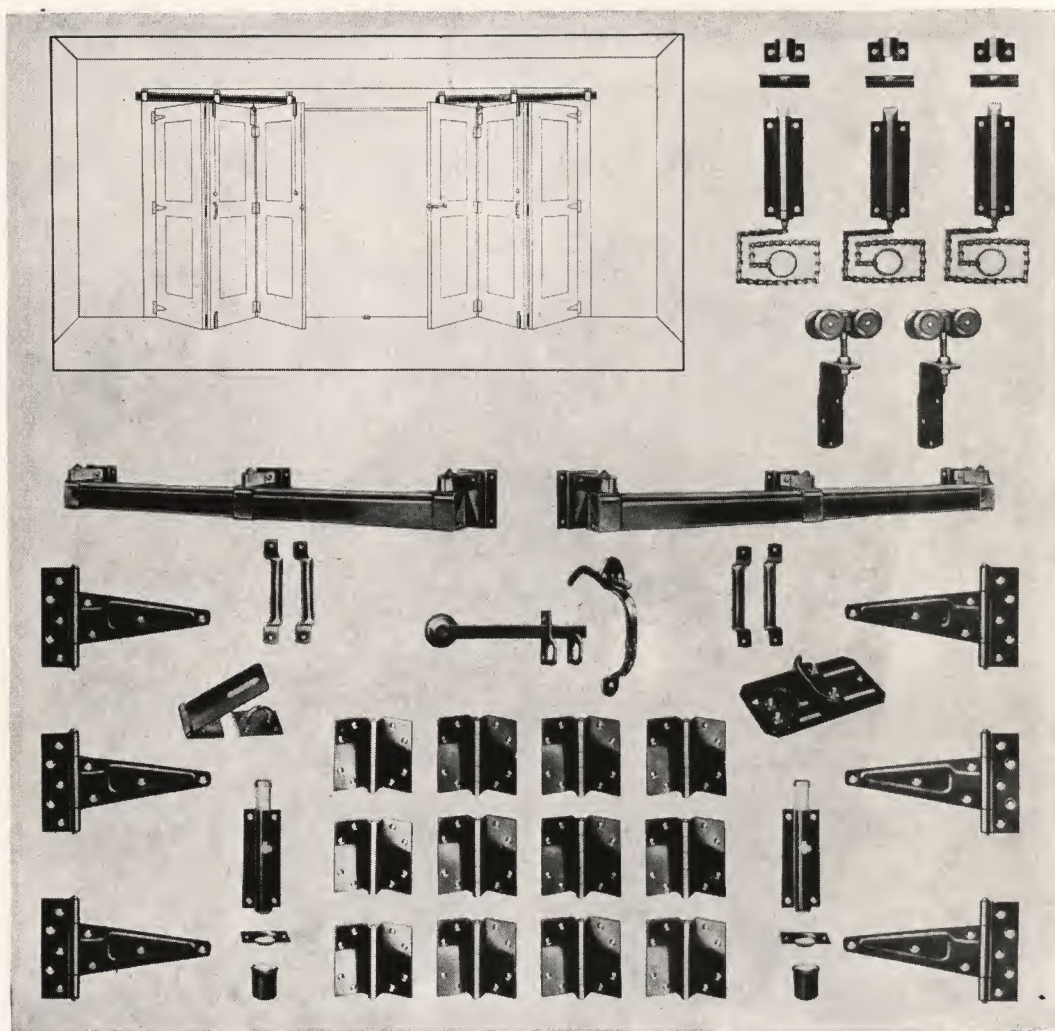
Packed one set in a carton. Rail tied in bundles.

Weight per set with rail.....83 pounds



Six Door Set Number 92A

REGULAR WEIGHT DOORS
For Openings Up to Eighteen Feet

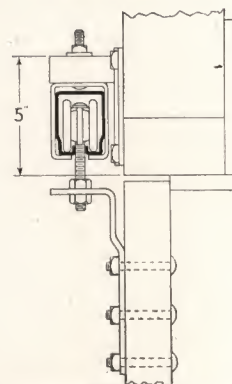


This set consists of:

- 2 pcs. 6½' No. 301 Rail
- 2 only No. 41A Hangers
- 2 only No. 41A301 Short Brackets
- 2 only No. 41A301 Medium Brackets
- 2 only No. 41A301 Long Brackets
- 3 only 6" SC146-J Chain Bolts
- 2 only 6" SC145-J Foot Bolts
- 6 Pr. SC341-J Butts
- 3 Pr. 8" SC940-J Hinges
- 4 only SC207-J Handles
- 1 only SC105-J Latch
- 1 only 4½" SC119-J Hasp
- 1 only SC113½-J Guide

Packed one set in a carton. Rail tied in bundles.

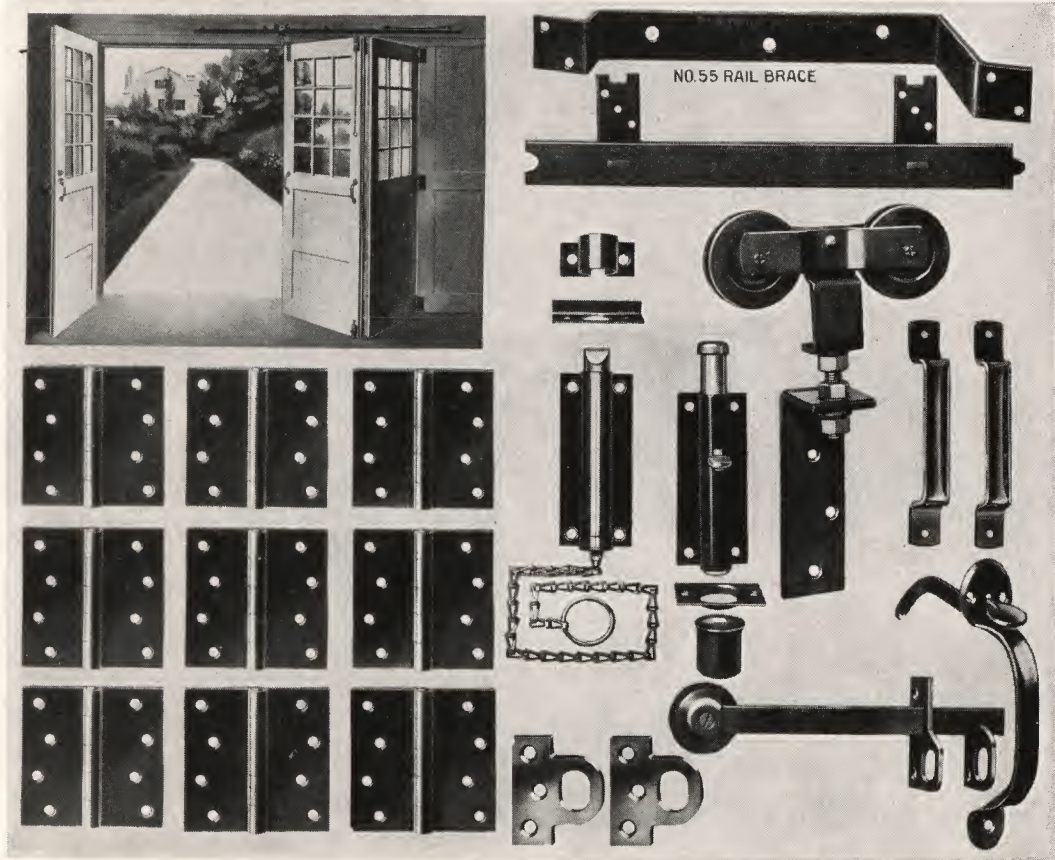
Weight per set with rail.....77 pounds



Three Door Set Number 51

REGULAR WEIGHT DOORS

For Openings Up to Nine Feet

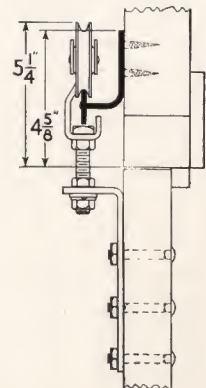


An inexpensive folding type garage set equipped with our No. 55 Rail Brace, eliminating the necessity of blocking out rail.

This set consists of:

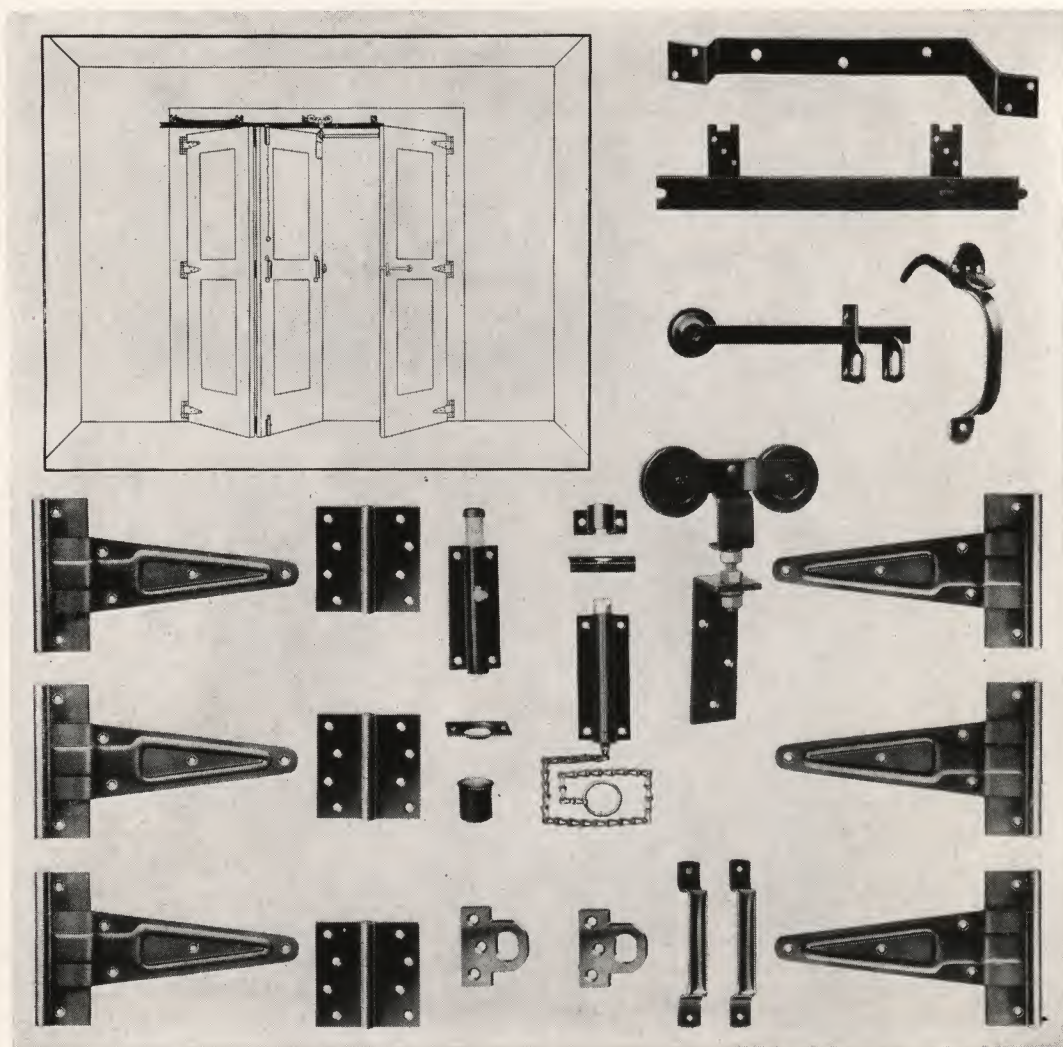
- 1 pc. 6½' No. 102 Rail
- 1 only No. 51 Hanger
- 1 only No. 55 Rail Brace
- 4½ Pr. 4"x4" SC8090-J Butts
- 2 only SC207-J Handles
- 1 only 6" SC146-J Chain Bolt
- 1 only 6" SC145-J Foot Bolt
- 1 only SC105-J Latch
- 1 Pr. SC1050-J Padlock Eyes

Packed one set in a carton. Rail tied in bundles.
Weight per set with rail.....23 pounds



Three Door Set Number 51B With Offset Hinges

REGULAR WEIGHT DOORS
For Openings Up to Nine Feet



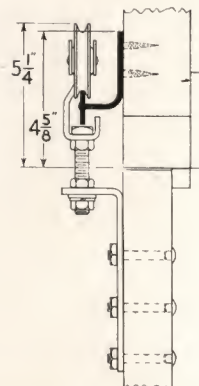
This is the same set as No. 51 (shown on Page 269) with three pairs 8 inch SC941-J hinges instead of 4"x4" SC8090-J butts. These hinges will swing doors clear of the opening.

This set consists of:

- 1 pc. 6½' No. 102 Rail
- 1 only No. 51 Hanger
- 1 only No. 55 Rail Brace
- 3 Pr. 8" SC941-J Hinges
- 1½ Pr. 4"x4" SC8090-J Butts
- 2 only SC207-J Handles
- 1 only 6" SC146-J Chain Bolt
- 1 only 6" SC145-J Foot Bolt
- 1 only SC105-J Latch
- 1 Pr. SC1050-J Padlock Eyes

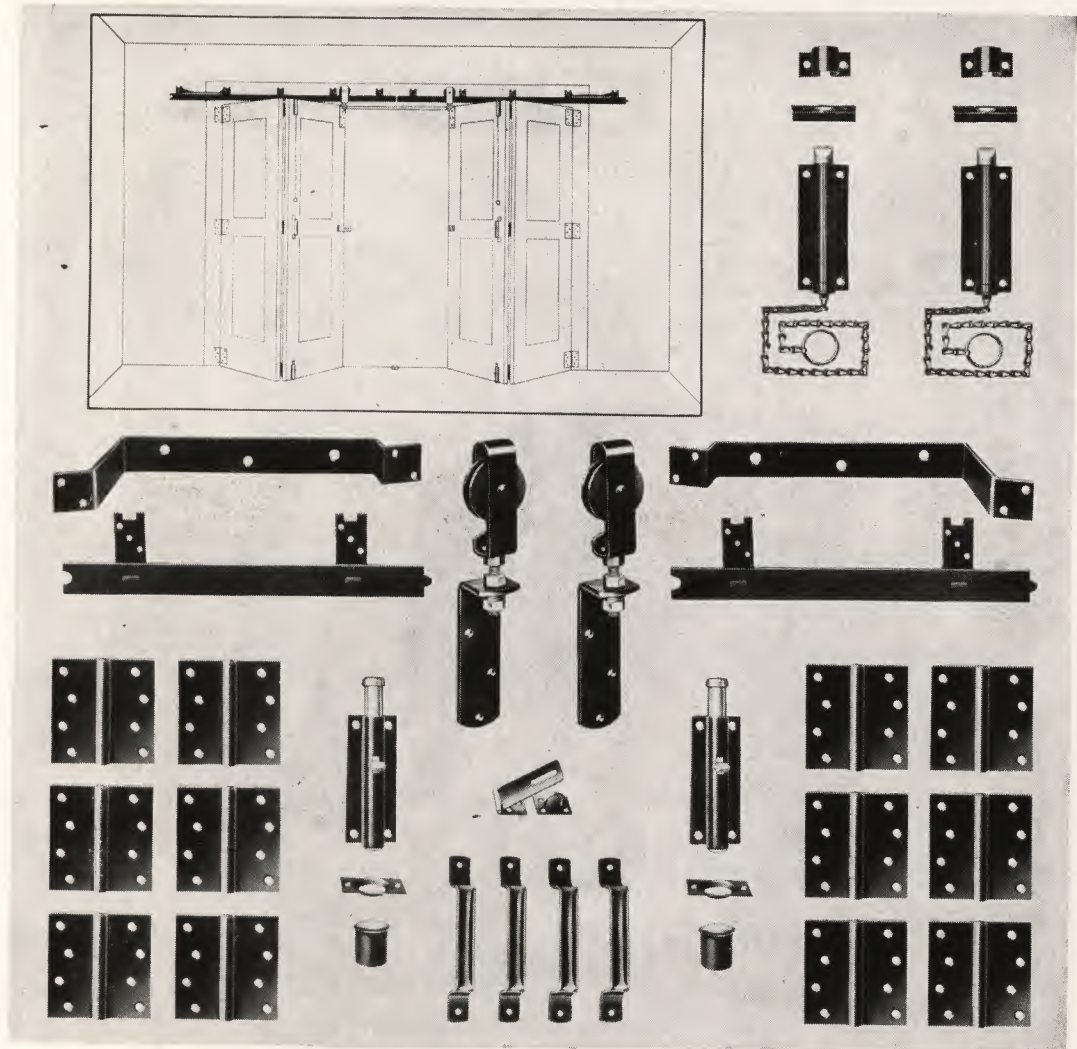
Packed one set in a carton. Rail tied in bundles.

Weight per set with rail.....29 pounds



Four Door Set Number 52

REGULAR WEIGHT DOORS
For Openings Up to Twelve Feet

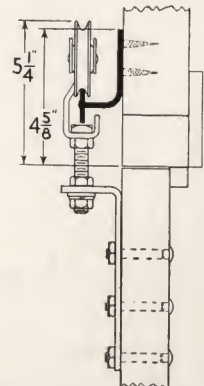


This set consists of:

- 2 pcs. 6½' No. 102 Rail
- 2 only No. 55 Rail Braces
- 2 only 52 Hangers
- 6 Pr. 4"x4" SC8090-J Butts
- 2 only 6" SC146-J Chain Bolts
- 2 only 6" SC145-J Foot Bolts
- 4 only SC207-J Handles
- 1 only 4½" SC119-J Hasp

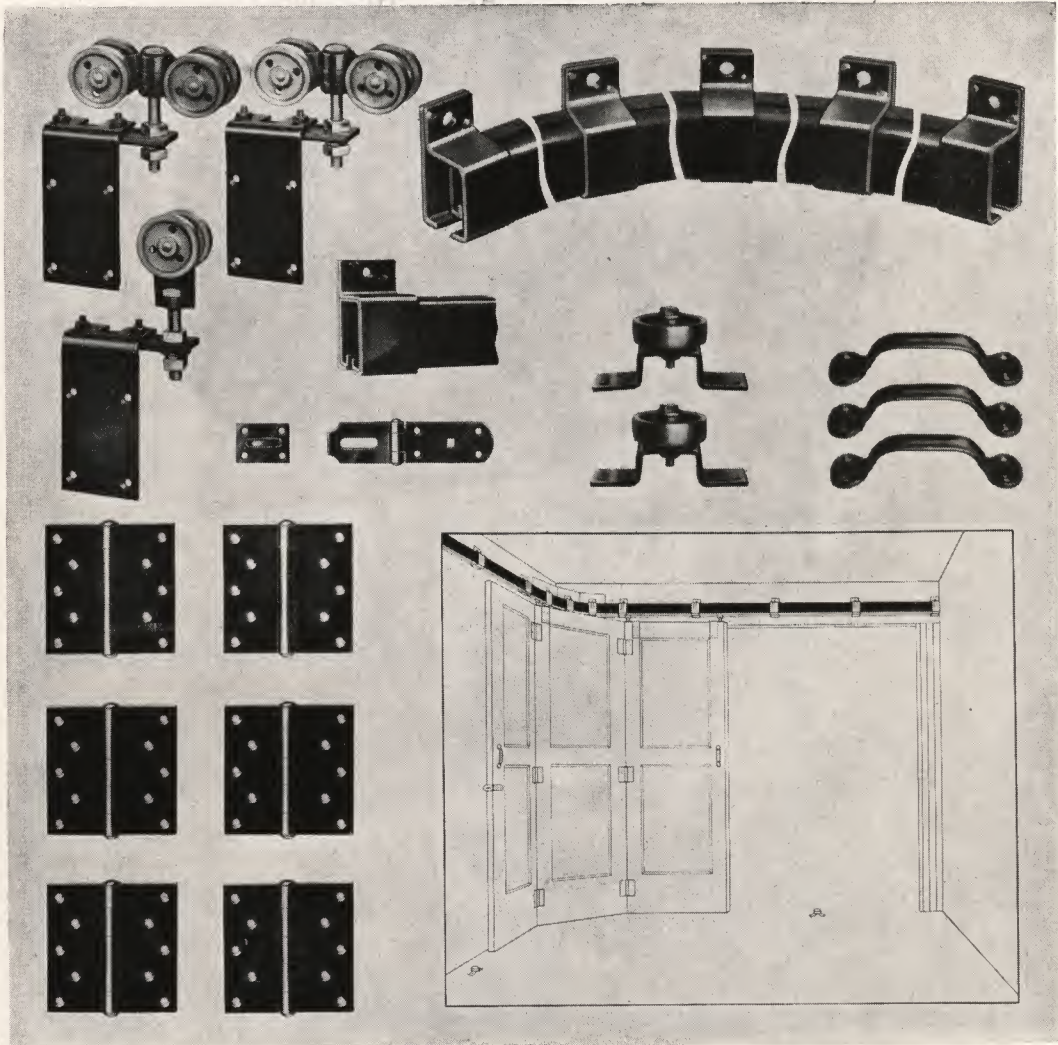
Packed one set in a carton. Rail tied in bundles.

Weight per set with rail.....37 pounds



Three Door Set Number 62-3000

FOR EXTRA HEAVY GARAGE OR WAREHOUSE DOORS



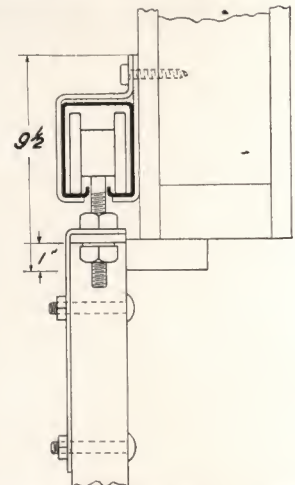
Furnished regularly for openings up to ten feet. For openings wider than ten feet add extra rail and brackets.

This set consists of:

- 2 only No. 62-3000 Hangers
- 1 only No. 62X3000 Hanger
- 8 only No. 1-3000 Brackets
- 2 pcs. 10' No. 3000 Rail
- 1 only 48" Radius No. 3000-C Curve
- 3 Pr. 6"x6" SC8080-J Butts
- 3 only SC210-J Handles
- 2 only No. 97-J Stay Rolls
- 1 only SC118-J Hasp

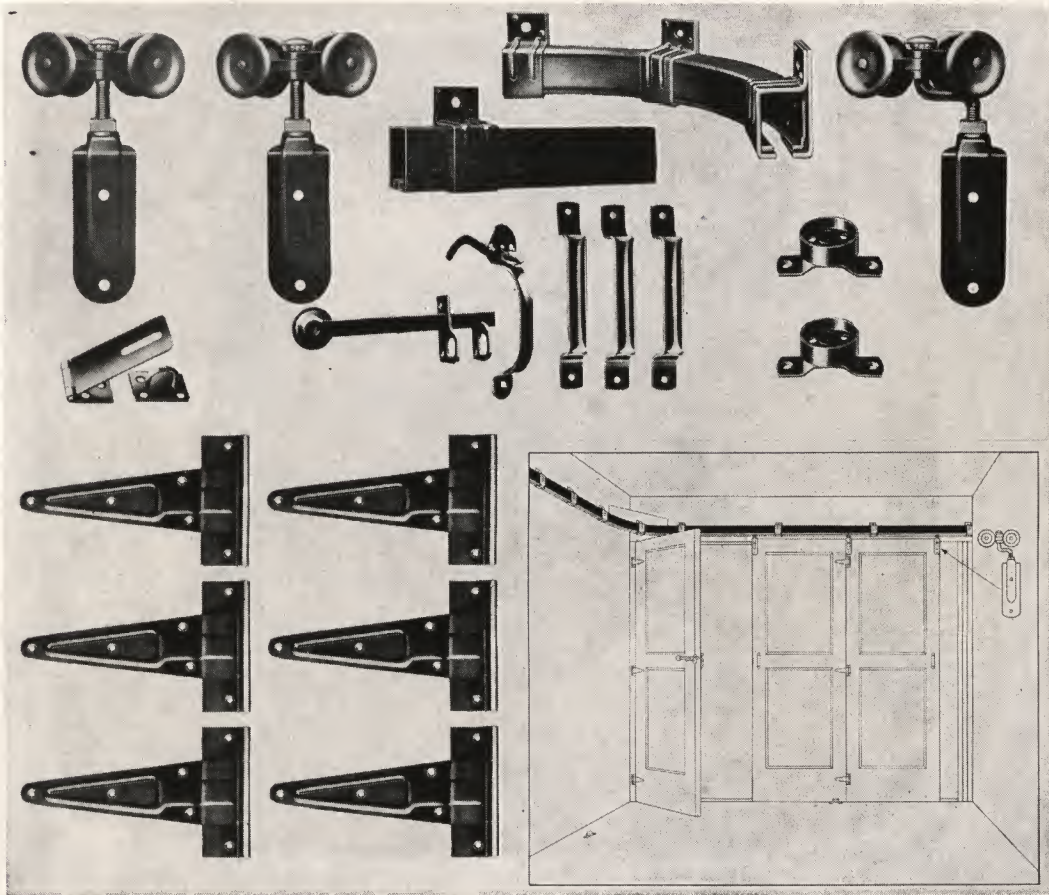
Packed one set in a carton. Rail and curve tied in bundles.

Weight per set with rail and curve.....175 pounds



“Round The Corner” Three Door Set No. 62

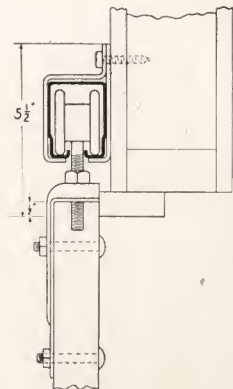
Surface Type
REGULAR WEIGHT DOORS
For Openings Up to Nine Feet



This set consists of:

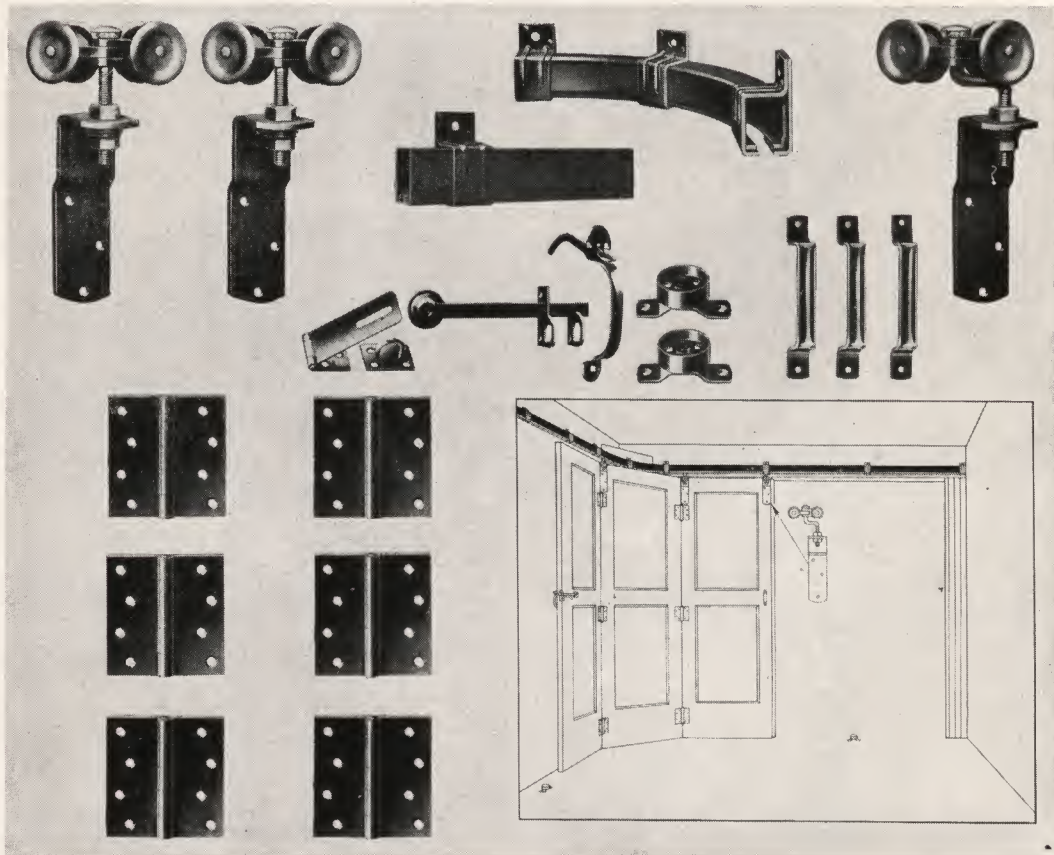
- 2 pcs. 9' No. 301 Rail
- 6 only No. 1-301 Rail Brackets
- 1 only 24" Radius No. 301-C Curve
- 2 only No. 30X Hangers
- 1 only No. 31X Hanger
- 3 Pr. 6" SC941-J Hinges
- 2 only SC112 Stay Rolls
- 3 only SC207-J Handles
- 1 only SC105-J Latch
- 1 only 4½" SC119-J Hasp

Packed one set, including curve in a carton. Rail tied in bundles.
Weight per set with rail.....61 pounds



“Round The Corner” Three Door Set Number 63

Flush Type
REGULAR WEIGHT DOORS
For Openings Up to Nine Feet

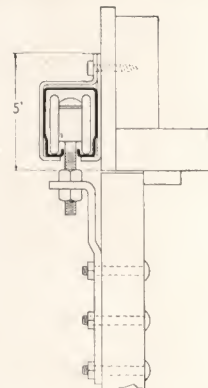


This set consists of:

- 2 pcs. 9' No. 301 Rail
- 6 only No. 1-301 Rail Brackets
- 1 only 24" Radius No. 301-C Curve
- 2 only No. 63 Hangers
- 1 only No. 63X Hanger
- 3 Pr. 4"x4" SC8090-J Butts
- 2 only SC112-J Stay Rolls
- 3 only SC207-J Handles
- 1 only SC105-J Latch
- 1 only 4½" SC119-J Hasp

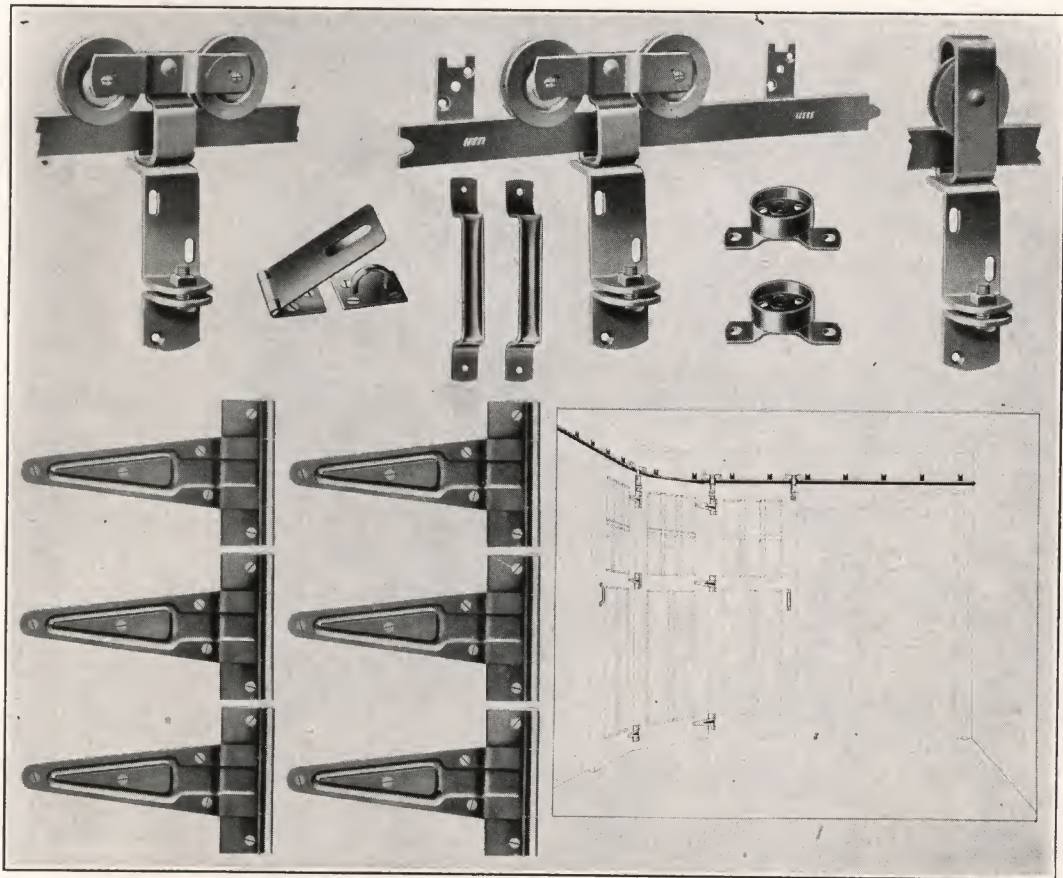
Packed one set, including curve in a carton. Rail tied in bundles.

Weight per set with rail.....60 pounds



Three Door Set Number 61

REGULAR WEIGHT DOORS
For Openings Up to Nine Feet



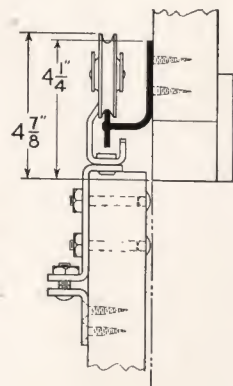
An inexpensive around the corner door set using our No. 102 Flat Rail.

This set consists of:

- 2 pcs. 8' No. 102 Rail
- 1 only 24" Radius No. 102-C Curve
- 2 only No. 61 Hangers
- 1 only No. 61S Hanger
- 3 Pr. 6" SC941-J Hinges
- 2 only SC207-J Handles
- 2 only SC112-J Stay Rolls
- 1 only 4½" SC119-J Hasp

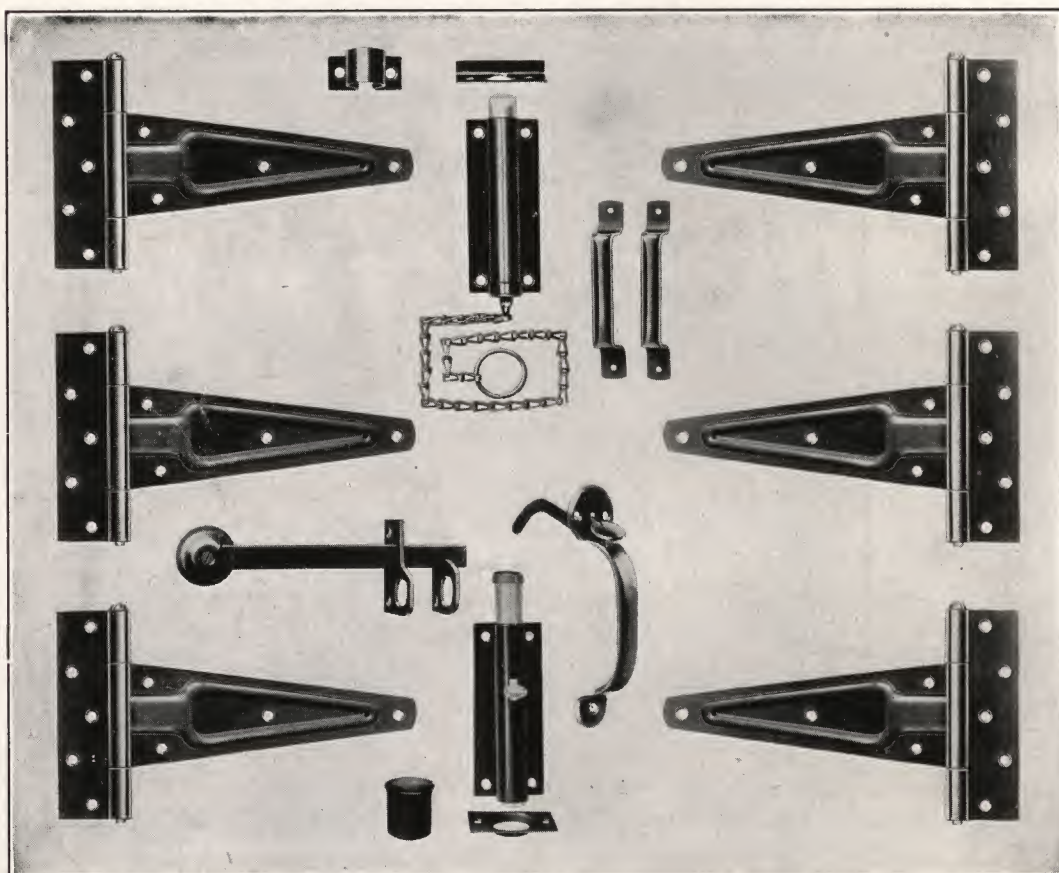
Packed one set in a carton. Rail and curve tied in bundles.

Weight per set with rail and curve.....31 pounds



Garage Set Number 147½

For Swinging Doors



A very popular set, inexpensive, and designed to meet every demand for strength and durability. The latch included with this set is arranged so the garage may be securely padlocked. The set is furnished in japanned finish and is packed one set in a carton, complete with screws.

Packed with either 8 or 10 inch hinges.

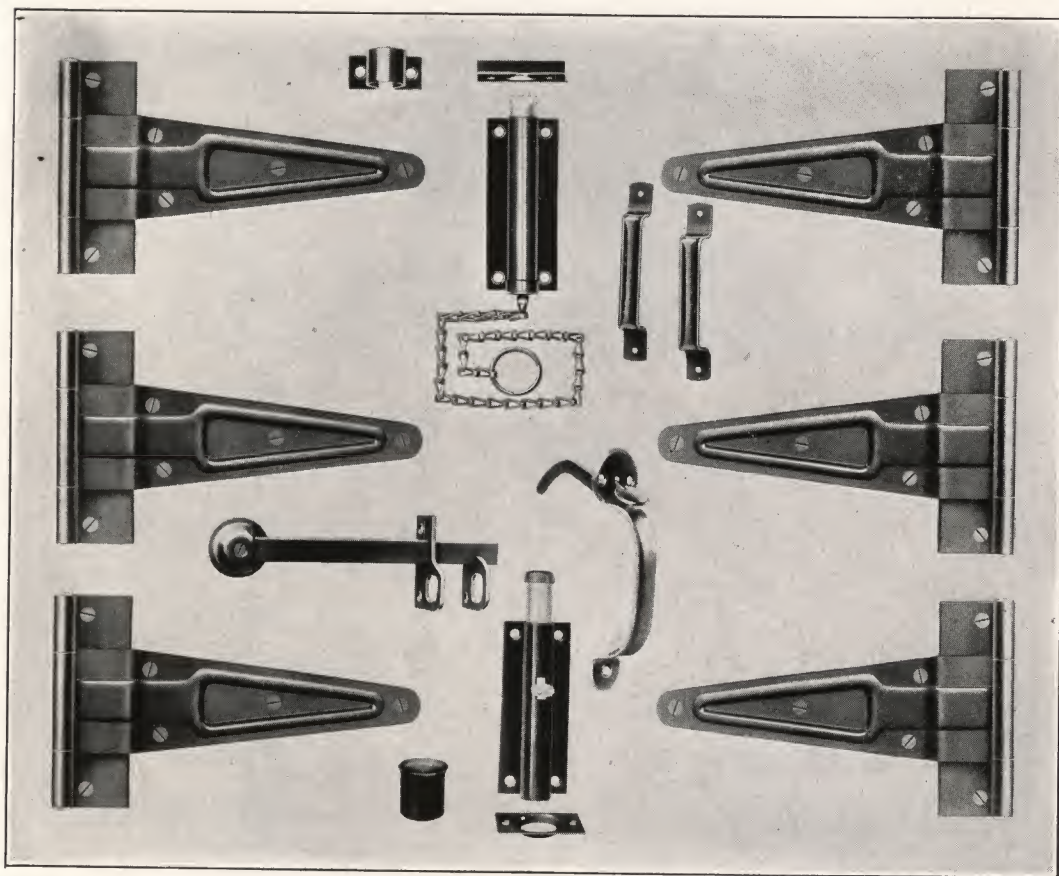
The set consists of:

- 3 Pr. SC940-J Hinges
- 1 only 6" SC146-J Chain Bolt
- 1 only 6" SC145-J Foot Bolt
- 1 only SC105-J Latch
- 2 only SC207-J Handles

Size of Hinges	Set in Box	Sets in Carton	Weight per Carton
8"	1	4	52
10"	1	3	54

Garage Set Number 176

For Swinging Doors



We recommend this set for narrow doorways as door will swing clear of opening with doors standing at right angles to the building.

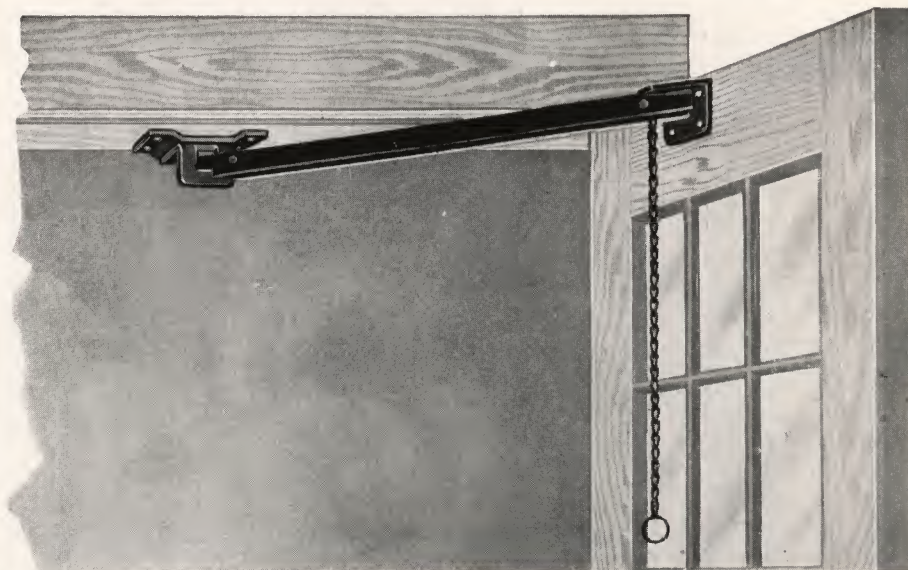
Packed with either 8 inch or 10 inch hinges. This set is furnished in Japanned finish and is packed one set in a carton, complete with screws.

The set consists of:

- 3 Pr. SC941-J Hinges
- 1 only 6" SC146-J Chain Bolt
- 1 only 6" SC145-J Foot Bolt
- 1 only SC105-J Latch
- 2 only SC207-J Handles

Size of Hinges	Set in Box	Sets in Carton	Weight per Carton
8"	1	4	55
10"	1	3	55

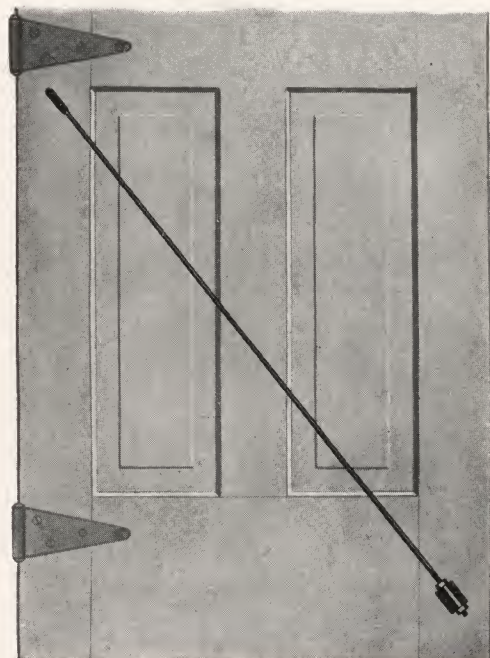
Garage Door Holder Number SC147



Japanned

Length of arm 26 inches and chain 24 inches. May be used on either right or left hand door. Packed one pair in a carton with screws.

Quantity Size of Screws, Each	Pair in Box	Dozen Pair in Carton	Weight per Carton
8—1¼x11 F.H.	1	½	33



Garage Door Brace Number SC1152

Made in following sizes: 60", 72", 84", 96", 108", and 120". Furnished in Japan finish. Sixty inch furnished when size not specified. Packed one dozen in a bundle with bolts.

Lgth. of Rod	Diam. of Rod	Quantity and Size of Bolts, Each	Dozen in Bundle	Weight per Bundle
60"	$\frac{5}{16}$ "	4—¼x2½ R.H.	1	17
72"	$\frac{5}{16}$ "	4—¼x2½ R.H.	1	19½
84"	$\frac{5}{16}$ "	4—¼x2½ R.H.	1	22
96"	$\frac{5}{16}$ "	4—¼x2½ R.H.	1	24½
108"	$\frac{5}{16}$ "	4—¼x2½ R.H.	1	27
120"	$\frac{5}{16}$ "	4—¼x2½ R.H.	1	29

All Steel Coat and Hat Hooks

Number SC23



Plate is made of cold rolled steel, and hooks of bright wire.

All finishes.

Packed one dozen in a box with screws.

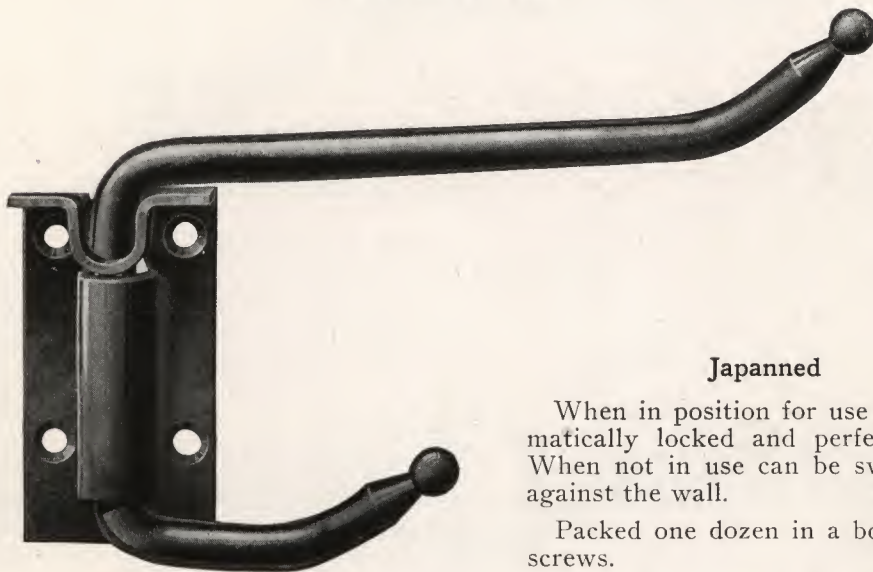
Please specify size and finish desired.

Size, Length of Wire	Gauge of Wire	Plate		Quantity and Size of Screws, Each	Dozen in Box	Gross in Carton	Weight per Carton
		Size	Gauge of Metal				
3"	.204	1½"x1½"	.050	2—⅝x5 F.H.	1	2	29
4"	.218	1⅞"x1¾"	.058	2—¾x6 F.H.	1	1	21
5"	.235	2¼"x1¾"	.058	2—¾x6 F.H.	1	1	27

For list of finishes see Page 9.

Wrought Steel Swing Harness Hook

Number 26



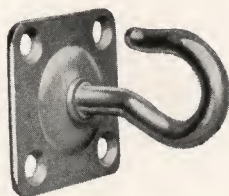
Japanned

When in position for use it is automatically locked and perfectly rigid. When not in use can be swung back against the wall.

Packed one dozen in a box without screws.

Size, Length of Wire	Gauge of Wire	Plate		Quantity and Size of Screws required, Each	Dozen in Carton	Weight per Carton
		Size	Gauge of Metal			
7"	.420	2" x3"	11	4—Number 10	1	10
10"	.480	2" x3½"	11	4—Number 10	1	16
12"	.480	2½"x5½"	11	4—Number 10	1	27

Clothes Line Hook Number SC27



Cut One-half Actual Size

Japan, Zinc Plated or Hot Galvanized

This hook is made of heavy steel wire riveted to a steel plate. Furnished in Zinc Plated finish when not otherwise specified.

Packed one dozen in a box with screws.

Hammock Hook Number SC28



Cut One-third Actual Size

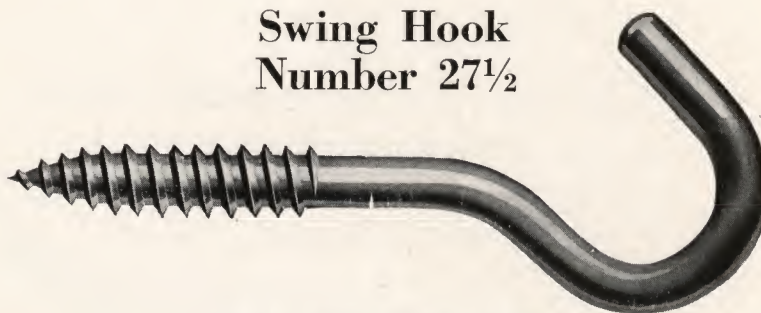
Japan or Zinc Plated

This hook is safe for hanging any hammock. Furnished in Zinc Plated finish when not otherwise specified.

Packed one dozen in a box with screws.

Item Number	Size of Plate	Size of Wire	Quantity and Size of Screws, Each	Dozen in Box	Gross in Carton	Weight per Carton
SC27	1 $\frac{7}{8}$ "x1 $\frac{7}{8}$ "	.306	4—1 $\frac{1}{4}$ x10 F.H.	1	1	30
SC28	1 $\frac{3}{4}$ "x2 $\frac{1}{4}$ "	.312 $\frac{1}{2}$	4—1 $\frac{1}{4}$ x11 F.H.	1	1	59

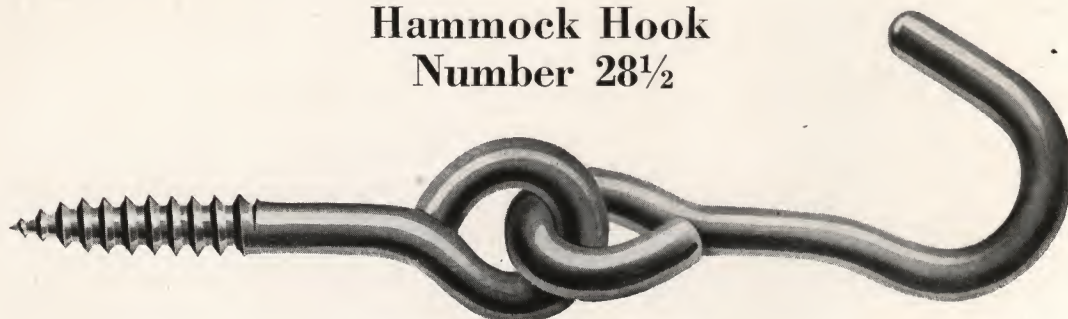
Swing Hook Number 27 $\frac{1}{2}$



Bright Steel or Zinc Plated

Furnished in Zinc Plated finish when not otherwise specified. For dimensions, packing and weight see table below.

Hammock Hook Number 28 $\frac{1}{2}$



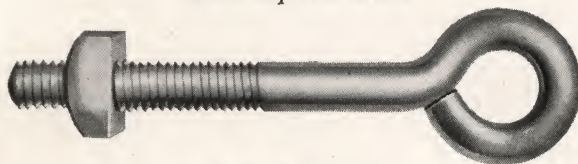
Bright Steel or Zinc Plated

Furnished in Zinc Plated finish when not otherwise specified. Packed one dozen in a box.

Item Number	Size of Wire	Length Overall	Dozen in Box	Gross in Carton	Weight per Carton
27 $\frac{1}{2}$	$\frac{5}{16}$ "	3 $\frac{3}{4}$ "	3	2	33
28 $\frac{1}{2}$	$\frac{5}{16}$ "	5 $\frac{1}{4}$ "	1	1	33

Eye Bolts Number 325

With Square Nuts



Rolled Thread

When ordering; specify stock number with sizes as indicated in first column.

Furnished in Bright Steel or Zinc Plated. Bright Steel will be furnished unless otherwise specified.

Packed one dozen in a box.

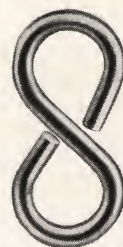
Size and Length	Length of Shank	Inside Diameter of Eye	Dz. in Box	Gr. in Carton	Weight per Carton
1/4" x 2 1/2"	1 1/2"	9/16"	1	5	35 1/2
1/4" x 3"	2"	9/16"	1	5	40 1/4
1/4" x 4"	3"	9/16"	1	5	47 1/2
5/16" x 3 1/2"	2 1/4"	3/4"	1	2	31
5/16" x 4"	2 1/2"	3/4"	1	2	34
3/8" x 4"	2 1/4"	1"	1	1	28
3/8" x 6"	4 1/4"	1"	1	1	35
3/8" x 8"	6 1/4"	1"	1	1	42
7/16" x 6"	4"	1 1/8"	1	1	48
7/16" x 8"	6"	1 1/8"	1	1	58

Wrought "8" Hook Number 328

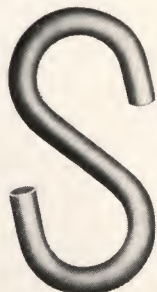
One size only. Furnished in Bright Steel or Zinc Plated. Bright Steel will be furnished unless otherwise specified.

Packed three dozen in a box.

Size	Diameter of Wire	Dz. in Box	Gr. in Carton	Weight per Carton
1 1/4"	.123	3	5	7



Cut Actual Size



Wrought "S" Hooks Number 330

Blunt Style

Furnished in Bright Steel or Zinc Plated. Bright Steel will be furnished unless otherwise specified.

Packed three dozen in a box.

Cut Actual Size of 1 1/2 inch	Diameter of Wire	Dz. in Box	Gr. in Carton	Weight per Carton
1 1/2"	.187 1/2	3	5	18
1 3/4"	.218	3	2	15
2"	.250	3	2	21
2 1/4"	.267	3	2	23
2 1/2"	.290	3	2	31
3"	.306	3	1	22

Wire Gate Hook and Eyes

Sizes 1" to 18" inclusive



No. 40 Bright Wire

No. 140 Zinc Plated

No. 1040 Brass Wire

(Number 40 Bright Wire U. S. Govt. Type F1601)

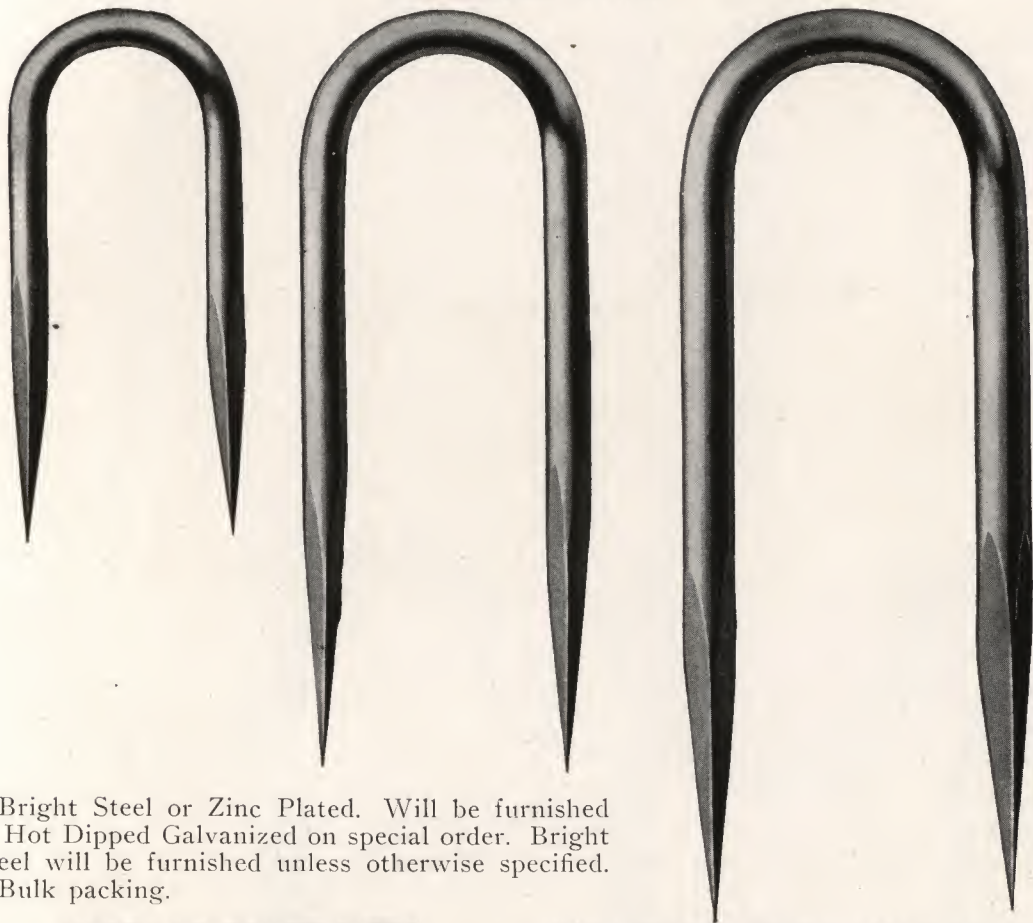
(Number 1040 Brass Wire U. S. Govt. Type 1601)

1" and 1½" packed one gross in a box;
2" to 4" one-half gross in a box; 5" to 18"
one-fourth gross in a box.

These hooks can also be furnished in
Plated finishes. Bright Steel will be fur-
nished when finish and number are not
specified.

Steel Wire No. 40 No. 140 Size	Brass Wire No. 1040 Size	Diameter of Wire	Number of Sc. Eye	Gr. in Box	Gr. in Carton	Weight per Carton
1"	1"	.109	212	1	10	20
1½"	1½"	.123	211	1	10	31
2"	2"	.134	210	½	10	41
2½"	2½"	.159	208	½	10	67
3"	3"	.169	207	½	5	42½
4"	4"	.187½	206	½	5	60
5"		.210	205	¼	2	36
6"	6"	.218	204	¼	2	48
8"	8"	.250	204	¼	1	31
10"	10"	.250	204	¼	1	36
12"	12"	.250	204	¼	1	41
14"		.250	204	¼	1	46
16"		.250	204	¼	1	51
18"		.250	204	¼	1	56

Wrought Staple Rolled Points
Heavy and Extra Heavy
Number 1978



Bright Steel or Zinc Plated. Will be furnished in Hot Dipped Galvanized on special order. Bright Steel will be furnished unless otherwise specified. Bulk packing.

REGULAR STOCK SIZES

Diameter of Wire	Length	Spread	Weight per Gross
$\frac{3}{16}$	2	$\frac{3}{4}$	$3\frac{3}{4}$
$\frac{3}{16}$	$2\frac{1}{2}$	$\frac{3}{4}$	$4\frac{3}{4}$
$\frac{3}{16}$	3	$\frac{3}{4}$	6
$\frac{1}{4}$	2	$\frac{3}{4}$	$5\frac{7}{8}$
$\frac{1}{4}$	$2\frac{1}{2}$	$\frac{3}{4}$	$7\frac{3}{4}$
$\frac{1}{4}$	3	$\frac{3}{4}$	$9\frac{1}{2}$
$\frac{1}{4}$	4	$\frac{3}{4}$	13
$\frac{3}{8}$	3	$1\frac{1}{4}$	23
$\frac{3}{8}$	4	$1\frac{1}{4}$	31
$\frac{3}{8}$	5	$1\frac{1}{4}$	38
$\frac{3}{8}$	6	$1\frac{1}{4}$	46

FOLLOWING SIZES AVAILABLE ON SPECIAL ORDER

Minimum orders 200 pounds, with set-up charge; 1000 pounds or more no set-up charge.

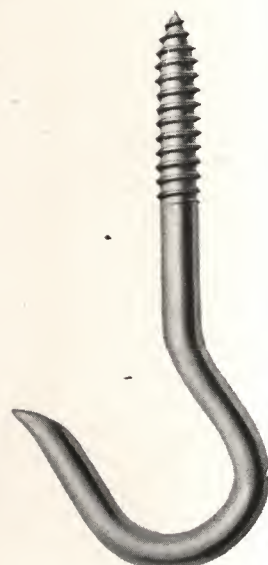
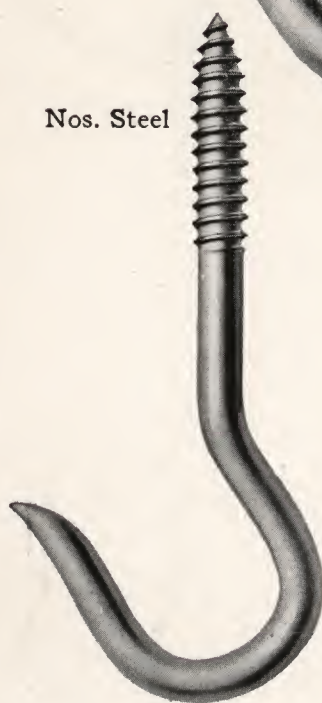
Diameter of Wire	Length	Spread	Weight per Gross
$\frac{3}{16}$	$1\frac{3}{4}$	$\frac{3}{4}$	$3\frac{1}{4}$
$\frac{3}{16}$	$2\frac{1}{4}$	$\frac{3}{4}$	$4\frac{1}{4}$
$\frac{7}{32}$	2	$\frac{3}{4}$	$5\frac{1}{4}$
$\frac{7}{32}$	$2\frac{1}{4}$	$\frac{3}{4}$	$5\frac{3}{4}$
$\frac{7}{32}$	$2\frac{1}{2}$	$\frac{3}{4}$	$6\frac{1}{2}$
$\frac{7}{32}$	3	$\frac{3}{4}$	$7\frac{3}{4}$
$\frac{1}{4}$	$2\frac{3}{4}$	$\frac{3}{4}$	$6\frac{5}{8}$
$\frac{1}{4}$	$3\frac{1}{2}$	$\frac{3}{4}$	11
$\frac{1}{4}$	$4\frac{1}{2}$	1	$15\frac{1}{2}$
$\frac{1}{4}$	5	1	$17\frac{1}{2}$
$\frac{1}{8}$	$2\frac{1}{2}$	1	$13\frac{1}{2}$
$\frac{1}{8}$	3	1	$16\frac{1}{4}$
$\frac{1}{8}$	$3\frac{1}{2}$	1	19
$\frac{1}{8}$	4	1	$21\frac{3}{4}$
$\frac{1}{8}$	$4\frac{1}{2}$	1	$24\frac{3}{4}$
$\frac{1}{8}$	5	1	27
$\frac{1}{8}$	$5\frac{1}{2}$	1	$29\frac{3}{4}$
$\frac{1}{8}$	6	1	32
$\frac{3}{8}$	$3\frac{1}{2}$	$1\frac{1}{4}$	27
$\frac{3}{8}$	$4\frac{1}{2}$	$1\frac{1}{4}$	34
$\frac{3}{8}$	$5\frac{1}{2}$	$1\frac{1}{4}$	42

Bright Wire and Brass Wire Screw Hooks

Nos. Steel

0

1



Nos. Steel 5
Nos. Brass

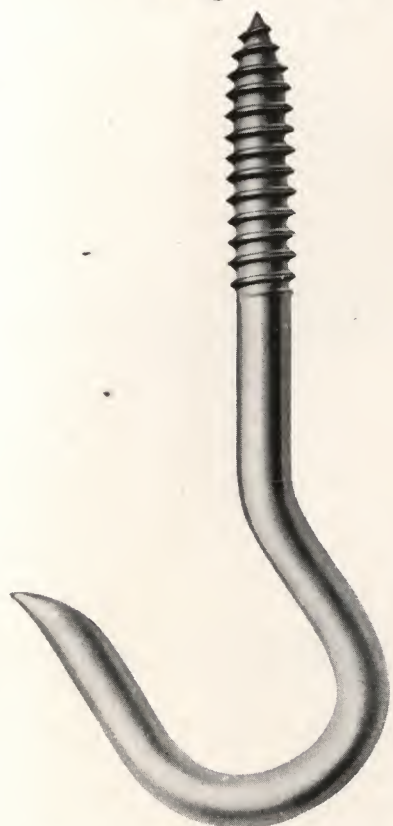
6
1006

‡ 6½

7

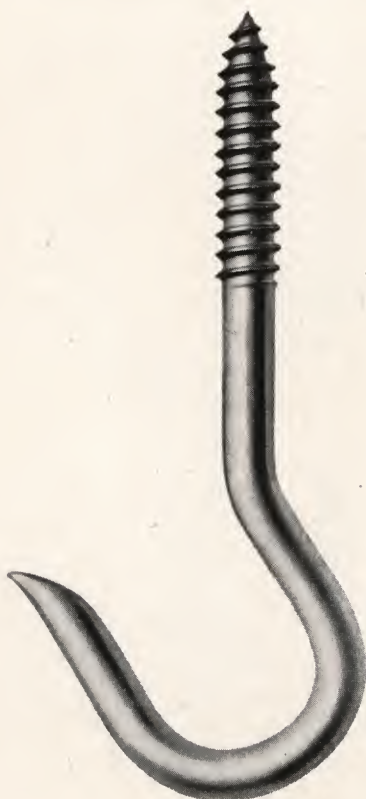
Cuts actual size. Refer to Pages 292 and 293 for dimensions, packing and weights. Numbers preceded by symbol (‡) not carried in stock, available on special order in minimum lots of 500 gross.

Bright Wire and Brass Wire Screw Hooks



Nos. Steel

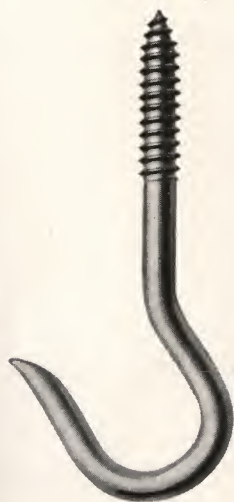
2



3



4


 Nos. Steel 8
 Nos. Brass 1008

9

10
1010

11

12
1012

13

14
1014

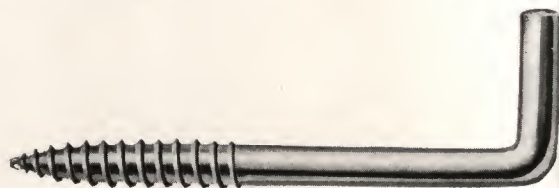
Cuts actual size. Refer to Pages 292 and 293 for dimensions, packing and weights.

Bright Wire and Brass Wire Square Screw Hooks



Nos. Steel
Nos. Brass

104
1104



105



Nos. Steel
Nos. Brass

106
1106



107



Nos. Steel
Nos. Brass

108
1108



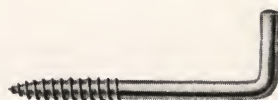
109



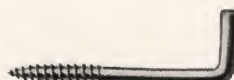
110
1110



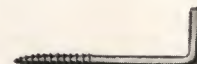
Nos. Steel 111
Nos. Brass 1111



112
1112



113



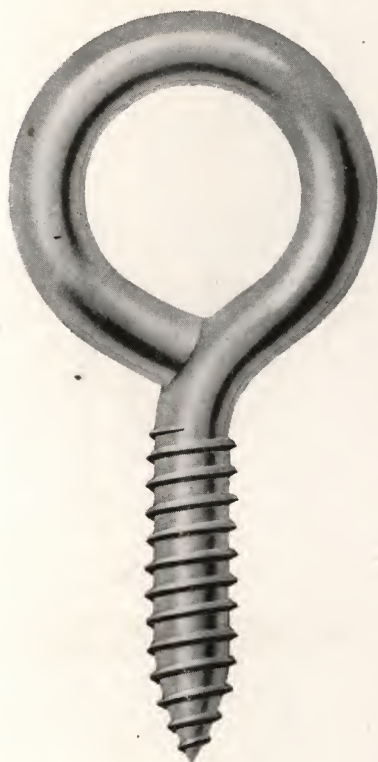
114
1114



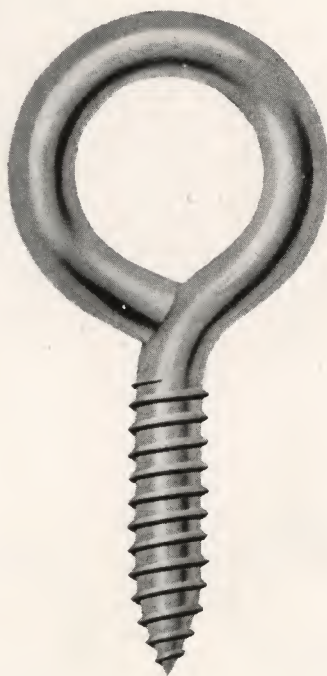
114 1/2

Cuts actual size. Refer to Pages 292 and 293 for dimensions, packing and weights.

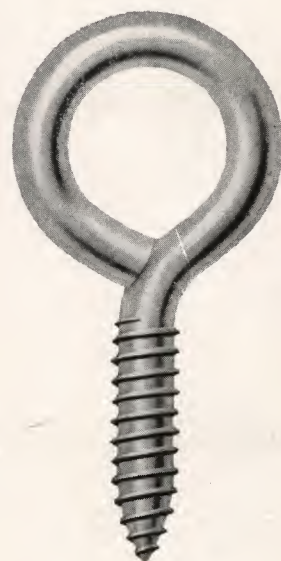
Bright Wire and Brass Wire Screw Eyes



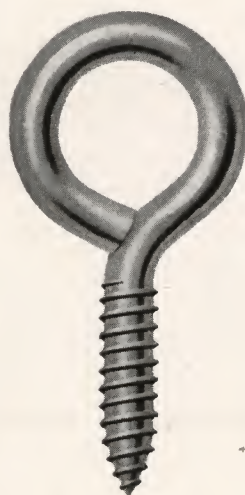
Nos. Steel 000



00



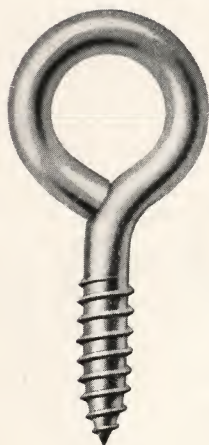
0

Nos. Steel 1
Nos. Brass2
1002

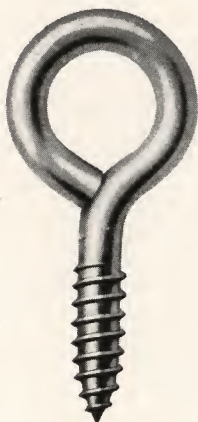
3

Cuts actual size. Refer to Pages 292 and 293 for dimensions, packing and weights.

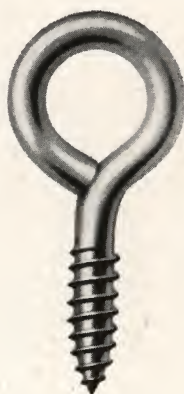
Bright Wire and Brass Wire Screw Eyes



Nos. Steel 4
Nos. Brass 1004



5



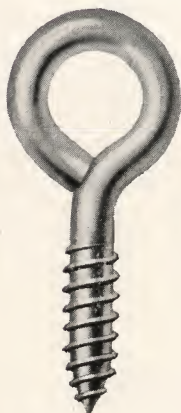
6
1006



7



8
1008



Nos. Steel 104
Nos. Brass 1104



105



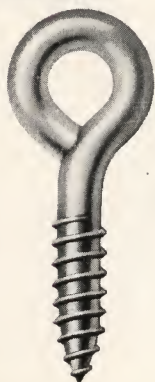
106
1106



107



108
1108



Nos. Steel 204
Nos. Brass 1204



205



206
1206



207
1207



208
1208

Cuts actual size. Refer to Pages 292 and 293 for dimensions, packing and weights.

Bright Wire and Brass Wire Screw Eyes



Nos. Steel
Nos. Brass

9



10
1010



11



12
1012



13



14
1014



15



16
1016



Nos. Steel
Nos. Brass

109



110
1110



111



112
1112



113



114
1114



115



116



Nos. Steel
Nos. Brass

209



210
1210



211
1211



212
1212



213



214
1214



215
1215



216
1216



217
1217

Cuts actual size. Refer to Pages 292 and 293 for dimensions, packing and weights.

Bright Wire and Brass Wire Screw Eyes



Nos. Steel # 6 1/2



7 1/2



8 1/2



9 1/2



10 1/2



Nos. Steel # 106 1/2



107 1/2



108 1/2



109 1/2



110 1/2



Nos. Steel # 206 1/2



207 1/2



208 1/2



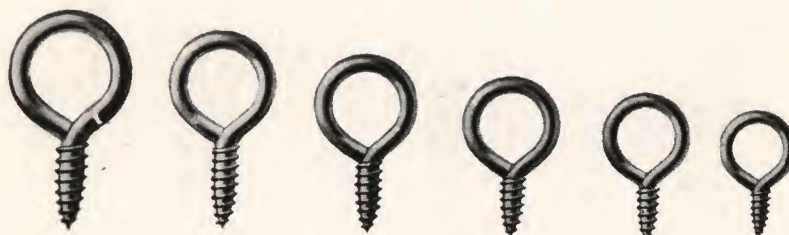
209 1/2



210 1/2

Cuts actual size. Refer to Pages 292 and 293 for dimensions, packing and weights. Numbers preceded by symbol (§) not carried in stock, available on special order in minimum lots of 500 gross.

Bright Wire and Brass Wire Screw Eyes



Nos. Steel ‡ 11½ ‡ 12½ ‡ 13½ ‡ 14½ ‡ 15½ ‡ 16½



Nos. Steel ‡ 111½ ‡ 112½ ‡ 113½ 114½ ‡ 115½ ‡ 116½



Nos. Steel ‡ 211½ 212½ ‡ 213½ 214½ 215½ 216½ 217½
Nos. Brass 1214½ 1215½ 1216½ 1217½

Cuts actual size. Refer to pages 292 and 293 for dimensions, packing and weights. Numbers preceded by symbol (‡) not carried in stock, available on special order in minimum lots of 500 gross.

List of Standard Sizes and Standard Packing on Bright Steel and Brass Wire SCREW EYES

SIZE		Diameter of Wire	Inside Diameter	Shank	Length Overall	Gross in Box	Gross in Carton	Weight per Carton
Steel Wire No.	Brass Wire No.							
LARGE EYES								
000		.420	1 1/8"	2 1/8"	3 7/8"	1/4	1	37
00		.375	1 1/8"	1 7/8"	3 1/8"	1/4	2	52
0		.342	1 1/8"	1 7/8"	2 7/8"	1/2	2	36
1		.306	1 1/8"	1 7/8"	2 1/8"	1/2	2	28
2	1002	.277	1 1/8"	1 7/8"	2 5/8"	1/2	2	22 1/2
3		.250	1 1/8"	1 7/8"	2 1/8"	1/2	2	16 1/2
4	1004	.235	1 1/8"	1 7/8"	2 5/8"	1	5	32 1/2
5		.218	1 1/8"	1 3/4"	2 1/8"	1	5	28
6	1006	.204	1 1/8"	3/4"	1 1/8"	1	10	44
‡ 6 1/2		.204	1 1/8"	3/4"	1 1/8"	1	10	39
7		.180	1 1/8"	3/4"	1 1/8"	1	10	33
‡ 7 1/2		.180	1 1/8"	3/4"	1 1/8"	1	10	25
8	1008	.159	1 1/8"	1/2"	1 5/8"	1	25	62
‡ 8 1/2		.159	1 1/8"	5/8"	1 3/8"	1	25	50
9		.145	1 1/8"	3/4"	1 1/8"	1	25	50
‡ 9 1/2		.145	1 1/8"	1/2"	1 3/8"	1	25	38
10	1010	.134	1 1/8"	1/2"	1 3/8"	1	25	35
‡ 10 1/2		.134	1 1/8"	1/2"	1 1/8"	1	25	33
11		.123	1 1/8"	5/8"	1 1/8"	1	25	28
‡ 11 1/2		.123	1 1/8"	7/8"	1 1/8"	1	25	25
12	1012	.109	1 1/8"	3/4"	1 1/8"	1	50	42
‡ 12 1/2		.109	1 1/8"	3/8"	1"	1	50	40
13		.095	1 1/8"	1/2"	1 1/8"	1	50	38
‡ 13 1/2		.095	1 1/8"	3/4"	1 1/8"	1	50	28
14	1014	.083	1 1/8"	1/2"	1 1/8"	1	50	22 1/2
‡ 14 1/2		.083	1 1/8"	5/8"	7/8"	1	50	12 1/2
15		.072	1 1/8"	3/4"	7/8"	1	50	11
‡ 15 1/2		.072	1 1/8"	3/4"	3/4"	1	50	9
16	1016	.065	1 1/8"	1/2"	1 1/8"	1	50	6
‡ 16 1/2		.065	1 1/8"	1/4"	3/4"	1	50	6
MEDIUM EYES								
104	1104	.235	3/4"	1 1/8"	2 1/8"	1	5	29
105		.218	3/4"	1 3/4"	1 1/8"	1	5	24
106	1106	.204	1 1/8"	3/4"	1 1/8"	1	10	41
‡ 106 1/2		.204	1 1/8"	3/4"	1 1/8"	1	10	37
107		.180	1 1/8"	3/4"	1 1/8"	1	10	30
‡ 107 1/2		.180	1 1/8"	3/4"	1 1/8"	1	10	28
108	1108	.159	1 1/8"	1/2"	1 1/8"	1	25	53
‡ 108 1/2		.159	1 1/8"	5/8"	1 1/8"	1	25	48
109		.145	1 1/8"	3/4"	1 1/8"	1	25	41
‡ 109 1/2		.145	1 1/8"	1/2"	1 1/4"	1	25	36
110	1110	.134	1 1/8"	1/2"	1 1/8"	1	25	31
‡ 110 1/2		.134	1 1/8"	1/2"	1 1/8"	1	25	28
111		.123	1 1/8"	5/8"	1 1/8"	1	25	25
‡ 111 1/2		.123	1 1/8"	1/2"	1"	1	25	22
112	1112	.109	1 1/8"	3/4"	1 1/8"	1	50	38
‡ 112 1/2		.109	1 1/8"	3/8"	1 1/8"	1	50	34
113		.095	1 1/8"	1/2"	1"	1	50	31
‡ 113 1/2		.095	1 1/8"	3/4"	1 1/8"	1	50	25
114	1114	.083	1 1/8"	1/2"	1 1/8"	1	50	22
114 1/2		.083	1 1/8"	5/8"	1 1/8"	1	50	19
115		.072	1 1/8"	3/4"	7/8"	1	50	16
‡ 115 1/2		.072	1 1/8"	3/4"	3/4"	1	50	12 1/2
116		.065	1 1/8"	3/4"	3/4"	1	50	6
‡ 116 1/2		.065	1 1/8"	1/4"	3/8"	1	50	6

Numbers preceded by symbol (‡) not carried in stock, available on special order in minimum lots of 500 gross.

LIST OF STANDARD SIZES AND STANDARD PACKING
on
Bright Steel and Brass Wire
SCREW EYES cont'd, SCREW HOOKS and SQUARE SCREW HOOKS

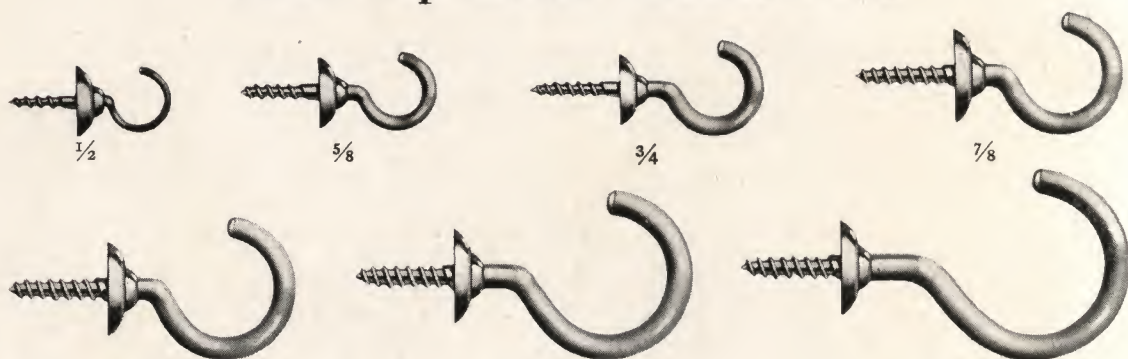
SIZE		Diameter of Wire	SMALL EYES			Gross in Box	Gross in Carton	Weight per Carton
Steel Wire No.	Brass Wire No.		Inside Diameter	Shank	Length Overall			
204	1204	.235	$\frac{19}{64}$ "	$1\frac{1}{8}$ "	$1\frac{11}{16}$ "	1	5	26
205		.218	$\frac{3}{32}$ "	$1\frac{1}{32}$ "	$1\frac{3}{4}$ "	1	5	17½
206	1206	.204	$\frac{17}{64}$ "	$\frac{31}{64}$ "	$1\frac{5}{8}$ "	1	10	32
‡206½		.204	$\frac{17}{64}$ "	$\frac{31}{64}$ "	$1\frac{3}{8}$ "	1	10	28
207	1207	.180	$\frac{1}{4}$ "	$\frac{29}{64}$ "	$1\frac{1}{2}$ "	1	10	20
‡207½		.180	$\frac{1}{4}$ "	$\frac{31}{64}$ "	$1\frac{1}{4}$ "	1	10	19
208	1208	.159	$\frac{13}{64}$ "	$\frac{13}{64}$ "	$1\frac{3}{8}$ "	1	25	43
‡208½		.159	$\frac{13}{64}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}$ "	1	25	38
209	1209	.145	$\frac{11}{64}$ "	$\frac{3}{4}$ "	$1\frac{1}{4}$ "	1	25	34
‡209½		.145	$\frac{11}{64}$ "	$\frac{1}{8}$ "	$1\frac{1}{8}$ "	1	25	31
210	1210	.134	$\frac{7}{32}$ "	$\frac{11}{64}$ "	$1\frac{1}{8}$ "	1	25	25
‡210½		.134	$\frac{7}{32}$ "	$\frac{1}{2}$ "	1"	1	25	22
211	1211	.123	$\frac{5}{32}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}$ "	1	25	21
‡211½		.123	$\frac{5}{32}$ "	$\frac{1}{8}$ "	$\frac{7}{8}$ "	1	25	19
212	1212	.109	$\frac{3}{16}$ "	$\frac{37}{64}$ "	$\frac{11}{16}$ "	1	50	28
212½		.109	$\frac{3}{16}$ "	$\frac{3}{8}$ "	$\frac{3}{4}$ "	1	50	25
213		.095	$\frac{5}{64}$ "	$\frac{17}{32}$ "	$\frac{7}{8}$ "	1	50	22
‡213½		.095	$\frac{5}{64}$ "	$\frac{11}{32}$ "	$\frac{11}{16}$ "	1	50	19
214	1214	.083	$\frac{5}{32}$ "	$\frac{1}{2}$ "	$\frac{11}{16}$ "	1	50	19
214½	1214½	.083	$\frac{5}{32}$ "	$\frac{5}{8}$ "	$\frac{5}{8}$ "	1	50	16
215	1215	.072	$\frac{3}{32}$ "	$\frac{1}{8}$ "	$\frac{11}{16}$ "	1	50	9
215½	1215½	.072	$\frac{3}{32}$ "	$\frac{3}{32}$ "	$\frac{5}{8}$ "	1	50	9
216	1216	.065	$\frac{5}{64}$ "	$\frac{13}{32}$ "	$\frac{11}{16}$ "	1	50	9
216½	1216½	.065	$\frac{5}{64}$ "	$\frac{1}{4}$ "	$\frac{1}{2}$ "	1	50	9
217	1217	.052	$\frac{1}{8}$ "	$\frac{3}{8}$ "	$\frac{5}{8}$ "	1	50	6
217½	1217½	.052	$\frac{1}{8}$ "	$\frac{3}{32}$ "	$\frac{3}{32}$ "	1	50	6

SIZE		SCREW HOOKS					
Steel Wire No.	Brass Wire No.	Diameter of Wire	Inside Diameter	Length Overall	Gross in Box	Gross in Carton	Weight per Carton
0		.342	1 $\frac{1}{8}$ "	4 $\frac{11}{16}$ "	$\frac{1}{2}$	1	26
1		.306	1 $\frac{1}{16}$ "	4 $\frac{11}{16}$ "	$\frac{1}{2}$	1	20
2		.277	1 $\frac{1}{32}$ "	4 $\frac{7}{16}$ "	$\frac{1}{2}$	2	31
3		.250	$\frac{31}{64}$ "	4 $\frac{1}{8}$ "	$\frac{1}{2}$	2	24
4		.235	$\frac{31}{64}$ "	3 $\frac{7}{8}$ "	$\frac{1}{2}$	5	49
5		.218	$\frac{7}{8}$ "	3 $\frac{5}{8}$ "	1	5	40
6	1006	.204	$\frac{11}{16}$ "	3 $\frac{3}{8}$ "	1	10	64
‡ 6 $\frac{1}{2}$		.187 $\frac{1}{2}$	$\frac{11}{16}$ "	3 $\frac{1}{8}$ "	1	10	49
7		.180	$\frac{5}{8}$ "	2 $\frac{11}{16}$ "	1	10	43
8	1008	.159	$\frac{9}{16}$ "	2 $\frac{9}{16}$ "	1	25	71
9		.145	$\frac{33}{64}$ "	2 $\frac{9}{16}$ "	1	25	50
10	1010	.134	$\frac{11}{32}$ "	2 $\frac{9}{16}$ "	1	25	40
11		.123	$\frac{3}{8}$ "	1 $\frac{7}{8}$ "	1	25	34
12	1012	.109	$\frac{11}{32}$ "	1 $\frac{11}{16}$ "	1	50	46
13		.095	$\frac{5}{16}$ "	1 $\frac{1}{2}$ "	1	50	38
14	1014	.083	$\frac{9}{32}$ "	1 $\frac{5}{16}$ "	1	50	21

SIZE		SQUARE SCREW HOOKS				Gross in Box	Gross in Carton	Weight per Carton
Steel Wire No.	Brass Wire No.	Diameter of Wire	Length of Hook	Overall				
104	1104	.235	1"	3 ¹ / ₁₆ "	1	5	33	
105		.218	1 ⁵ / ₁₆ "	2 ⁷ / ₈ "	1	5	28	
106	1106	.204	7 ⁸ / ₁₆ "	2 ⁵ / ₈ "	1	10	46	
107		.180	1 ³ / ₁₆ "	2 ⁷ / ₁₆ "	1	10	30	
108	1108	.159	3 ⁴ / ₁₆ "	2 ¹ / ₄ "	1	25	56	
109		.145	1 ¹ / ₁₆ "	2"	1	25	40	
110	1110	.134	5 ⁸ / ₁₆ "	1 ¹³ / ₁₆ "	1	25	34	
111		.123	1 ⁹ / ₁₆ "	1 ³ / ₁₆ "	1	25	22	
112	1112	.109	1 ¹ / ₂ "	1 ³ / ₈ "	1	50	35	
113		.095	1 ⁷ / ₁₆ "	1 ³ / ₁₆ "	1	50	25	
114	1114	.083	3 ⁸ / ₁₆ "	1"	1	50	15	
114 ¹ / ₂		.083	3 ⁸ / ₁₆ "	3 ⁴ / ₁₆ "	1	50	13	

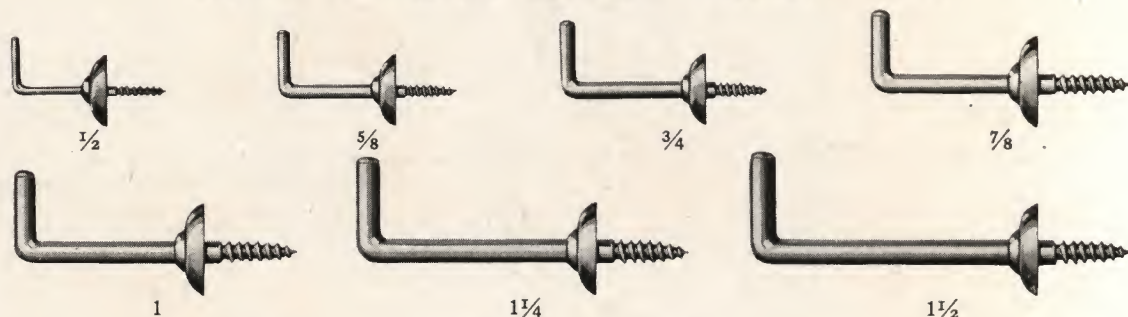
Numbers preceded by symbol (‡) not carried in stock, available on special order in minimum lots of 500 gross.

Brass Cup Hooks Number 1181



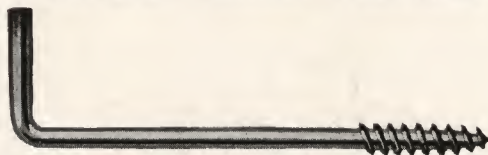
Projection	Gauge of Wire	Diameter of Base	Gr. in Box	Gr. in Carton	Weight per Carton
$\frac{1}{2}$ "	15	$\frac{3}{8}$	1	25	10
$\frac{5}{8}$ "	14	$\frac{3}{8}$	1	25	13
$\frac{3}{4}$ "	13	$\frac{3}{8}$	1	25	20
$\frac{7}{8}$ "	12	$\frac{1}{2}$	1	10	11
1"	11	$\frac{1}{2}$	1	10	16
$1\frac{1}{4}$ "	9	$\frac{1}{2}$	$\frac{1}{2}$	5	11
$1\frac{1}{2}$ "	8	$\frac{1}{2}$	$\frac{1}{2}$	5	13

Brass Shoulder Hooks Number 1412



Projection	Gauge of Wire	Diameter of Base	Gr. in Box	Gr. in Carton	Weight per Carton
$\frac{1}{2}$ "	15	$\frac{3}{8}$	1	25	8
$\frac{5}{8}$ "	14	$\frac{3}{8}$	1	25	14
$\frac{3}{4}$ "	13	$\frac{3}{8}$	1	25	20
$\frac{7}{8}$ "	12	$\frac{1}{2}$	1	10	11
1"	11	$\frac{1}{2}$	1	10	14
$1\frac{1}{4}$ "	9	$\frac{1}{2}$	$\frac{1}{2}$	5	10
$1\frac{1}{2}$ "	8	$\frac{1}{2}$	$\frac{1}{2}$	5	14

Steel Curtain Hook Number 320



Cut Actual Size

Dull Brass finish only. Packed one gross in a box.

Overall	Length of Hook	Diameter of Wire	Gr. in Box	Gr. in Carton	Weight per Carton
$2\frac{1}{2}$ "	$\frac{3}{4}$ "	.123	1	10	20

